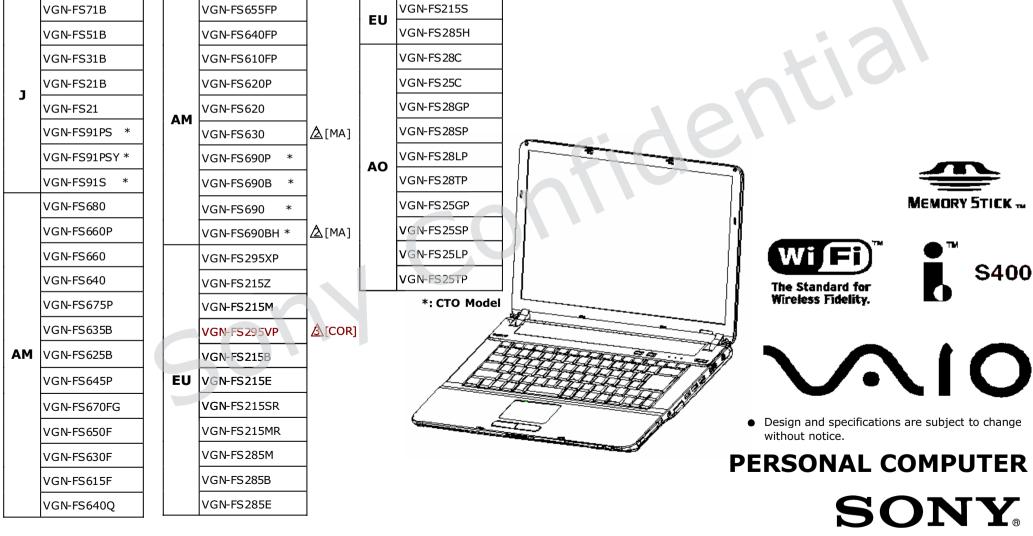
### **SERVICE MANUAL**

#### Ver.4-2005K

### **Revision History**



## Information in this document is subject to change without notice.

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#### Caution Markings foe Lithium/Ion Battery-

The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.

Discard used batteries according to the Manufacturer'

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above  $100^{\circ}\text{C}(212^{\circ}\text{F})$  or incinerate. Dispose of used battery promptly. Keep Away from children.

CAUTION: Changing the back up battery.

Overcharging, short circuiting, reverse charging, multilati on or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.

· If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection..

#### **Service and Inspection Precautions**

#### \*1.Obey precautionary markings and instructions

\* Labels and stamps on the cabinet,
\*chassis, and components are as
\*requiring special precautions. Be
\*sure to observe these precautions,
\*as well as all precautions listed in

\*the operating manual and other

#### \*2.Use designated parts only

\*associated documents...

\*The set's components possess important safety
\*characteristics, such as noncombustibility and the
\*ability to tolerate large voltages.

\* Be sure that replacement parts possess the same
\*safety characteristics as the originals. Also
\*remember that the mark, \*which appears in circuit
\*diagrams and parts lists, denotes components that
\*have particularly important safety functions be extra
\*sure to use only the designated components.

## \*3. Always follow the original design when \*mounting parts and routing wires

\*The original layout includes various
\*safety features, such as inclusion of
\*insulating materials (tubes and tape) and
\*the mounting of parts above the printer
\*board. In addition, internal wiring has
\*been routed and clamped so as to keep it

away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicat the original layout.

#### 4. Inspect after completing service

After servicing, inspect to make Sure that all screws, components, And wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

#### 5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily Damaged by heat.,

#### 6. When handing flexible print boards...

- $\cdot$  The temperature of the soldering-Iron tip shoul be about 270  $^{\circ}\text{C}$  .
- Do not apply the tip more than three times to the same pattern.
- · Handle patterns with care; never apply force

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

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History of the changes is shown as the "Revision History" at the end of this data.

## CHAPTER1. SPECIFICATIONS

## 1-1. Specifications

				J		
	VGN-FS71B	VGN-FS51B	VGN-FS31B	VGN-FS21B	VGN-FS21	VGN-FS91PS*/FS91PSY*/FS91S*
СРИ	Pentium-M 750(Do1.86)	Pentium-M 740(Do1.73)	Celeron-M 370(Do1.5)	Celeron-M 360J(Do1.4)	Celeron-M 360J(Do1.4)	*1)
Graphic	NV44M	915GM	915GM	915GM	915GM	*2)
LCD	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (High Brightness)	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)
HDD	100GB	100GB	80GB	60GB	60GB	*3)
MEMORY(Slot1)	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	
MEMORY(Slot2)	256MB DDR333	256MB DDR333	256MB DDR333	-	-	*4)
QUANTITY[STANDARD/MAX]	512MB/2GB	512MB/2GB	512MB/2GB	256MB/2GB	256MB/2GB	
OPT-DRIVE	Super Multi Drive DL	Super Multi Drive DL	Super Multi Drive DL	Super Multi Drive DL	Super Multi Drive DL	Super Multi Drive DL/Combo /DVD- ROM
AC adaptor	AC19V11	AC19V11	AC19V11	AC19V11	AC19V11	AC19V10
Battery	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA
Wireless LAN	0	0	0	0	0	O/X
Memory Card Adapter	0	0	0	0	0	0
USB FLOPPY DISK DRIVE	х	0	0	х	х	х
os	XP Home	XP Home	XP Home	XP Home	XP Home	XP Home/XP Pro

<sup>\*1)</sup>Celeron-M 360J,Celeron-M 370,Pentium-M 740,Pentium-M 770 \*2)NV44M,915GM \*3)100GB,80GB,60GB,40GB \*4)512MB\*2,256MB\*2,256MB\*1

<sup>\*8)512</sup>MB\*1,512MB\*2,256MB\*1,256MB\*2 \*9)Combo,DVD+/-RW DL,DVD-ROM \*10) 802.11b/g, 802.11a/b/g

										AN	И									
	VGN-FS680	VGN-FS660P	VGN-FS660	VGN-FS640	VGN-FS675P	VGN-FS635B	VGN-FS625B	VGN-FS645P	VGN-FS670FG	VGN-FS650F	VGN-FS630F	VGN-FS615F	VGN-FS640Q	VGN-FS655FP	VGN-FS640FP	VGN-FS610FP	VGN-FS620P	VGN-FS620	VGN-FS630	VGN FS690F1FS69061FS6901FS69
СРИ	Pentium-M 750(Do1.86)	Pentium-M 740(Do1.73)	Pentium-M 740(Do1.73)	Pentium-M 730(Do1.6)	Pentium-M 750(Do1.86)	Pentium-M 730(Do1.6)	Pentium-M 730(Do1.6)	Pentium-M 730(Do1.6)	Pentium-M 750(Do1.86)	Pentium-M 740(Do1.73)	Celeron-M 360J(Do1.4)	Celeron-M 360J(Do1.4)	Pentium-M 730(Do1.6)	Pentium-M 740(Do1.73)	Pentium-M 730(Do1.6)	Celeron-M 360J(Do1.4)	Pentium-M 730(Do1.6)	Pentium-M 730(Do1.6)	Pentium-M 740(Do1.73)	*5)
Graphic	NV44M	NV44M	NV44M	915GM	NV44M	915GM	915GM	NV44M	915GM	915GM	915GM	915GM	915GM	915GM	915GM	915GM	915GM	915GM	915GM	*6)
LCD	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)	15.4"WXGA (High Brightness)	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (High Brightness)										
HDD	100GB	80GB	80GB	80GB	100GB	60GB	40GB	80GB	80GB	60GB	40GB	40GB	80GB	80GB	60GB	40GB	80GB	80GB	80GB	*7)
MEMORY(Slot1)																1				
MEMORY(Slot2)	512MB DDR333	512MB DDR333	512MB DDR333	256MB DDR333	512MB DDR333	-	-	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	512MB DDR333	256MB DDR333	-	256MB DDR333	256MB DDR333	256MB DDR333	3 *8)
QUANTITY[STANDARD/MAX]	1GBB/2GB	1MB/2GB	1MB/2GB	512MB/2GB	1MB/2GB	512MB/2GB	256MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	1MB/2GB	512MB/2GB	256MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	
OPT-DRIVE	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	Combo	Combo	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	Combo	DVD+/-RW DL	DVD+/-RW DL	Combo	Combo	Combo	Combo	Combo	*9)
AC adaptor	AC19V9	AC19V11	AC19V11	AC19V11	AC19V11	AC19V11	AC19V11	AC19V11	AC19V9	AC19V10	AC19V10	AC19V10	AC19V11	AC19V10	AC19V10	AC19V10	AC19V11	AC19V11	AC19V11	AC19V1O (w/o PR)/AC19V9 (W/ PR)
Battery	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA
Wireless LAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*10)
Memory Card Adapter	х	х	х	х	х	х	х	х	х	х	х	х	x	х	х	X	x	х	х	х
USB FLOPPY DISK DRIVE	х	х	х	х	х	х	х	х	х	х	х	х	x	х	х	X	x	х	х	х
os	XP Home	XP Pro	XP Home	XP Home	XP Pro	XP Pro	XP Pro	XP Pro	XP Home	XP Home	XP Home	XP Home	XP Home	XP Pro	XP Pro	XP Pro	XP Home	XP Home	XP Home	XP Pro/XP Home
																			<u>∕</u> 2 [MA]	<u>∕</u> 2 [MA]

The model that is accompanied by asterisk(\*) is the CTO model. For the equipment configuration, refer to the CTO Information.

<sup>\*5)</sup>Celeron-M 360,Pentium-M 730,Pentium-M 740,Pentium-M 750,Pentium-M 760,Pentium-M 770 \*6)NV44M,915GM \*7)100GB,80GB,60GB,40GB,30GB

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							EU						
	VGN-FS295XP	VGN-FS215Z	VGN-FS215M	VGN-FS295VP	VGN-FS215B	VGN-FS215E	VGN-FS215SR	VGN-FS215MR	VGN-FS285M	VGN-FS285B	VGN-FS285E	VGN-FS215S	VGN-FS285H
СРИ	Pentium-M 750(Do1.86)	Pentium-M 740(Do1.73)	Pentium-M 740(Do1.73)	Pentium-M 740(Do1.73)	Pentium-M 740(Do1.73)	Celeron-M 370(Do1.5)	Pentium-M 750(Do1.86)	Pentium-M 740(Do1.73)	Pentium-M 740(Do1.73)	Pentium-M 740(Do1.73)	Celeron-M 370(Do1.5)	Pentium-M 750(Do1.86)	Pentium-M 740(Do1.73)
Graphic	NV44M	NV44M	NV44M	NV44M	915GM	915GM	NV44M	NV44M	NV44M	915GM	915GM	NV44M	NV44M
LCD	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)	15.4"WXGA (High Brightness)	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)	15.4"WXGA (Clear Black)
HDD	100GB	100GB	80GB	80GB	60GB	60GB	100GB	80GB	80GB	80GB	80GB	100GB	80GB
MEMORY(Slot1)	512MB DDR333	256MB DDR333	256MB DDR333	512MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	512MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333
MEMORY(Slot2)	-	256MB DDR333	256MB DDR333	-	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	512MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333	256MB DDR333
QUANTITY[STANDARD/MAX]	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	1GB/2GB	512MB/2GB	512MB/2GB	512MB/2GB	512MB/2GB
OPT-DRIVE	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL	DVD+/-RW DL
AC adaptor	AC19V11	AC19V9	AC19V11	AC19V11	AC19V11	AC19V11	AC19V12	AC19V12	AC19V11	AC19V11	AC19V11	AC19V11	AC19V11
Battery	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA	BP2SA
Wireless LAN	0	0	0	0	0	0	0	0	0	0	0	0	0
Memory Card Adapter	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	x
USB FLOPPY DISK DRIVE	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	x
os	XP Pro	XP Home	XP Home	XP Pro	XP Home	XP Home	XP Home	XP Home	XP Home	XP Home	XP Home	XP Home	XP Home

					Α	.0				
	VGN-FS28C	VGN-FS25C	VGN-FS28GP	VGN-FS28SP	VGN-FS28LP	VGN-FS28TP	VGN-FS25GP	VGN-FS25SP	VGN-FS25LP	VGN-FS25TP
СРИ	Pentium-M 740(Do1.73)	Celeron-M 360J(Do1.4)	Pentium-M 760(Do2.0)	٧-	<-	<-	Pentium-M 740(Do1.73)	<-	<-	۷-
Graphic	NV44M	915GM	NV44M	<b>&lt;-</b>	<-	<-	NV44M	<-	<-	۷-
LCD	15.4"WXGA (High Brightness)	15.4"WXGA (High Brightness)	15.4"WXGA (Clear Black)	٧-	<-	<-	15.4"WXGA (High Brightness)	<-	<-	٧.
HDD	40GB	40GB	80GB	<b>&lt;-</b>	<-	<-	60GB	<-	<-	۷-
MEMORY(Slot1)	512MB DDR333	256MB DDR333	512MB DDR333	۷-	<-	<-	512MB DDR333	<-	<-	<-
MEMORY(Slot2)		-	-	<b>&lt;-</b>	<-	<-		<-	<-	<-
QUANTITY[STANDARD/MAX]	512MB/2GB	256MB/2GB	512MB/2GB	<b>&lt;-</b>	<-	<-	512MB/2GB	<-	<-	<b>&lt;-</b>
OPT-DRIVE	Combo	Combo	DVD+/-RW DL	<b>&lt;-</b>	<-	<-	DVD+/-RW DL	<-	<-	<b>&lt;-</b>
AC adaptor	AC19V10	AC19V10	AC19V10	<b>~</b>	<-	<-	AC19V10	<-	<-	<-
Battery	BP2SA	BP2SA	BP2SA	<b>&lt;-</b>	<-	<-	BP2SA	<-	<-	<-
Wireless LAN	0	0	0	<b>&lt;-</b>	<-	<-	0	<-	<-	<-
Memory Card Adapter	Х	Х	Х	۷-	<-	<-	Х	<-	<-	۷-
USB FLOPPY DISK DRIVE	Х	Х	Х	<b>&lt;-</b>	<-	<-	Х	<-	<-	۷-
os	XP Home	XP Home	XP Pro	··	<-	<-	XP Pro	<-	<-	٧-

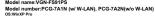
The model that is accompanied by asterisk(\*) is the CTO model.

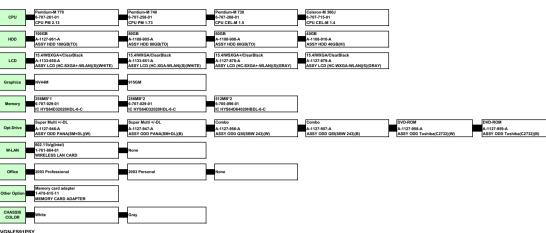
For the equipment configuration, refer to the CTO Information.

The trademarks or registered trademarks of above ,refer to page2.

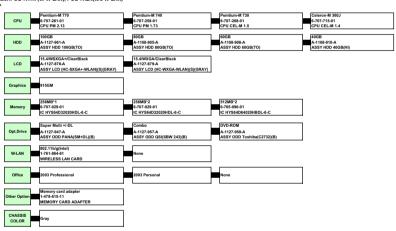
#### 1-2.CTO Information

Model name:VGN-FS91PS

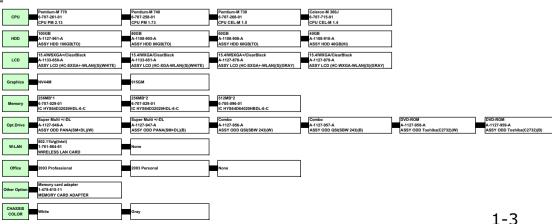




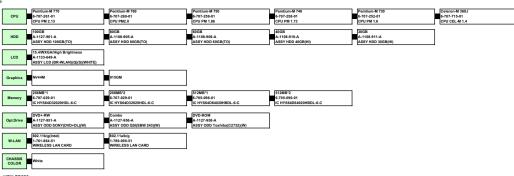
Model name:VGN-FS91PSY Model number:PCG-7A1N (w/ W-LAN), PCG-7A2N(w/o W-LAN) OS:WinXP Pro



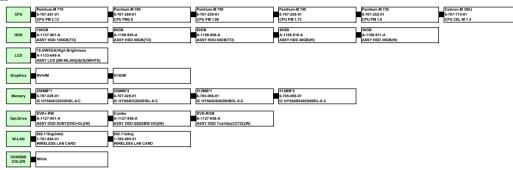
Model number: PCG-7A1N (w/ W-LAN), PCG-7A2N(w/o W-LAN)
05:WinXP Home



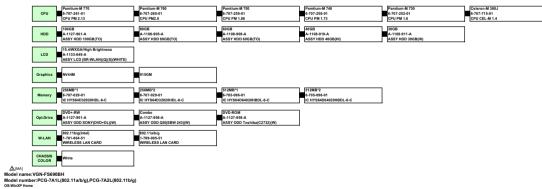
Model name:VGN-FS690P Model number:PCG-7A1L(802.11a/b/g),PCG-7A2L(802.11b/g) OS:WInXP Pro

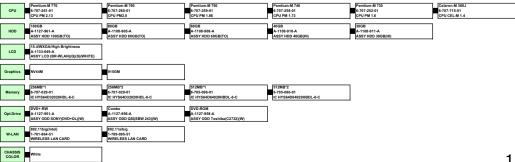


Model name:VGN-FS690 Model number:PCG-7A1L(802.11a/b/g),PCG-7A2L(802.11b/g)



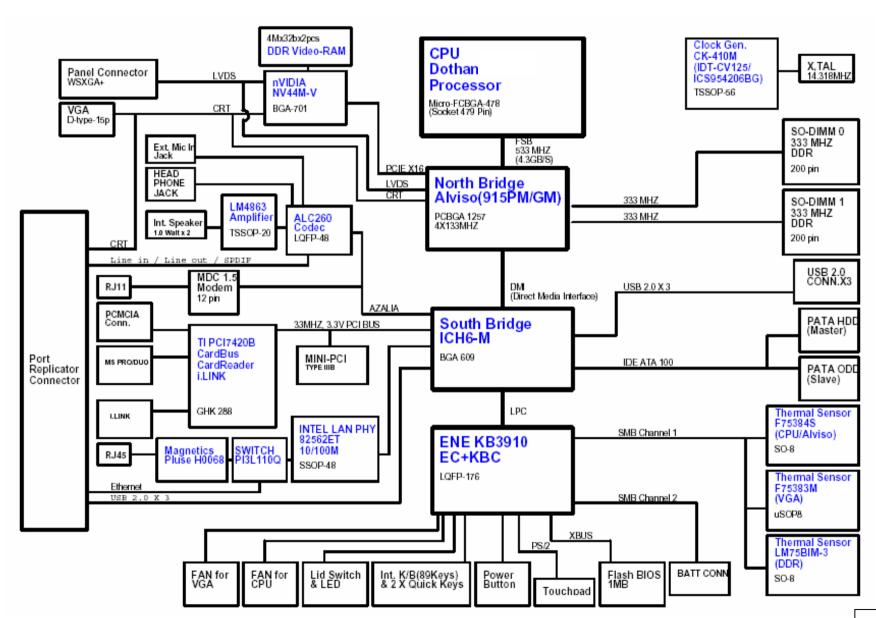
Model name: VGN-FS690B Model number: PCG-7A1L(802.11a/b/g),PCG-7A2L(802.11b/g) os:winXP Pro



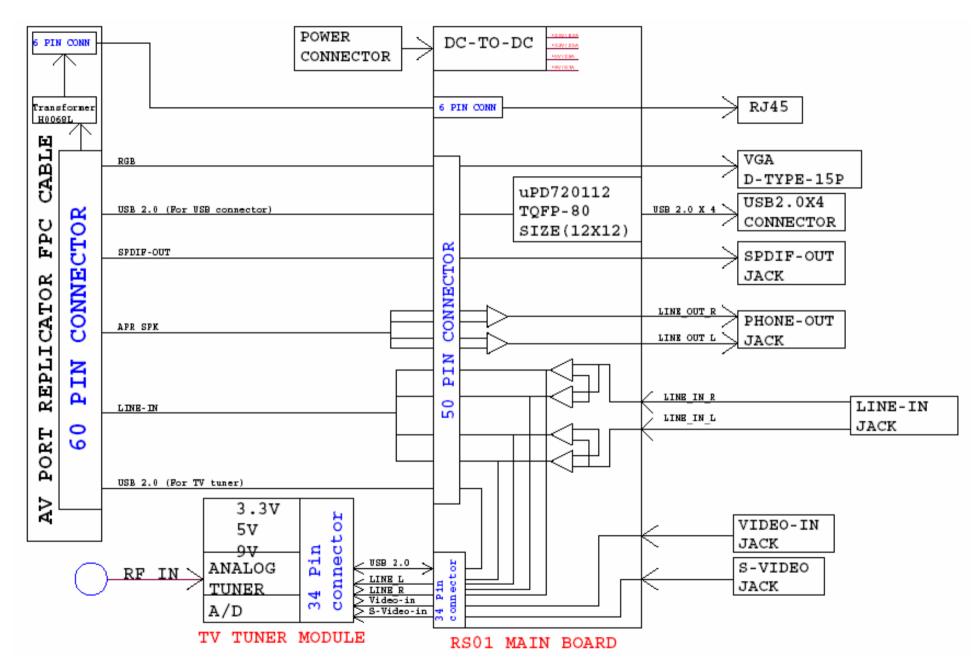


## CHAPTER2. BLOCK DIAGRAM

#### 2-1.VGN-FS series

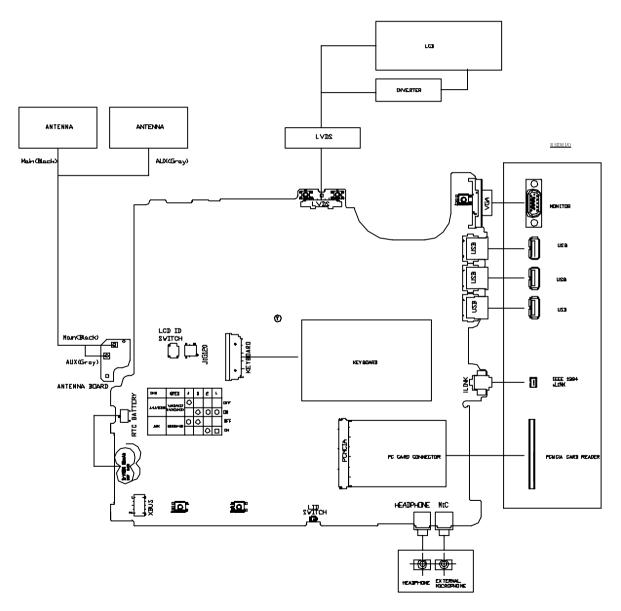


### 2-2. Port Replicator (VGP-PRFS10V)

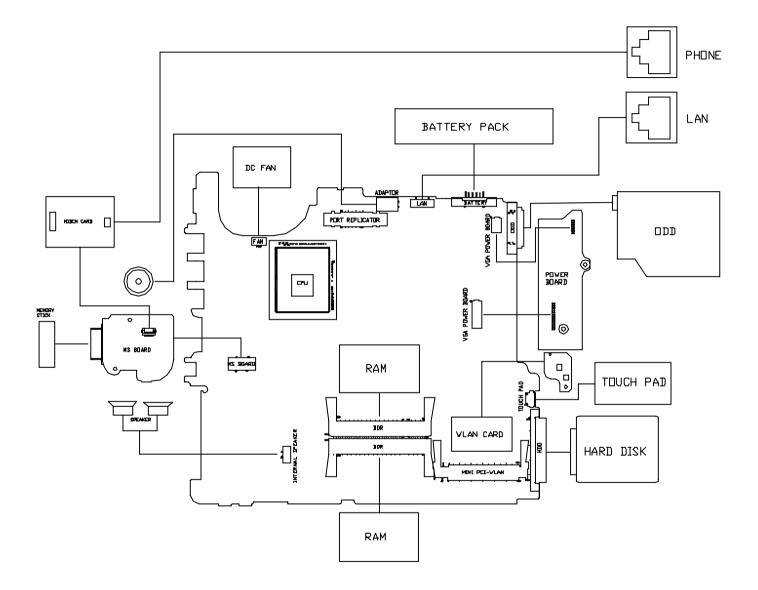


## CHAPTER3. FRAME HARNESS DIAGRAM

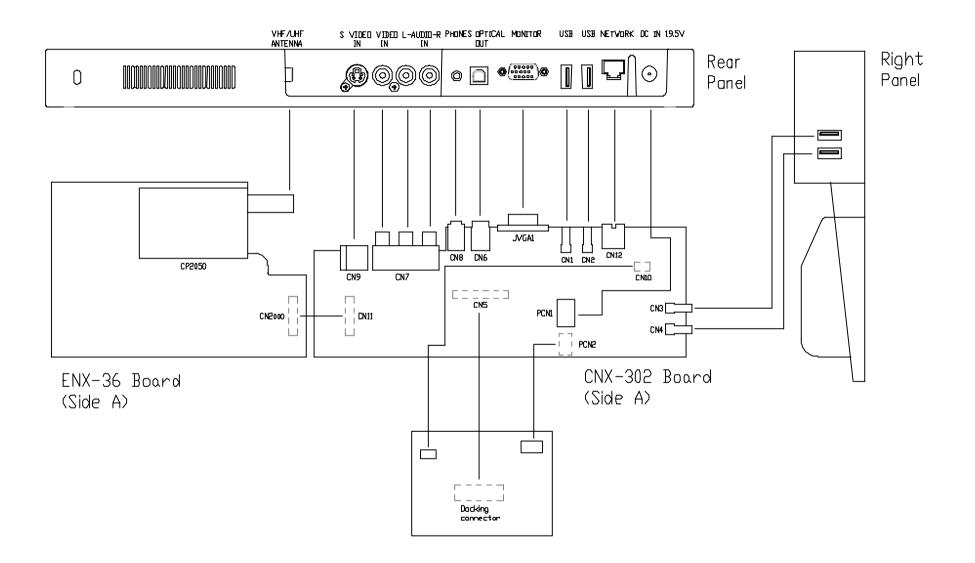
## 3-1 VGN-FS Series (TOP)



## **3-1 VGN-FS Series (BOTTOM)**



## **3-2 Port Replicator (VGP-PRFS10V)**



# CHAPTER 4 EXPLODED VIEWS AND PARTS LIST

· The parts id compiled by blocks of a Palmrest and bottom etc.

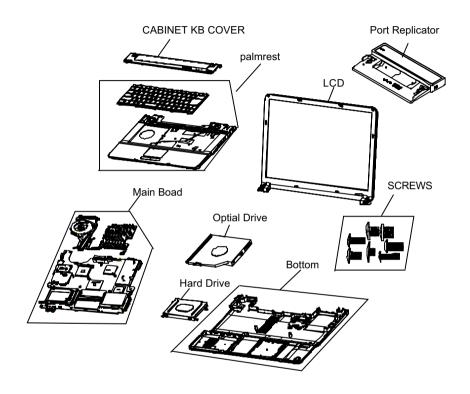
The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below.

#### **Section Page**

Screws	
S-1.Screws	4-2
Palmrest	
P-1.Palmrest	4-3
Main Board	
M-1.Main Board	4-5
BOTTOM	
B-1.BOTTOM	4-7
CABINET KBCOVER	
C-1.CABINET KBCOVER	4-9
LCD	
L-1.LCD	4-10
ODD	
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HDD	
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ACCESSORIES	
A-1.ACCESSORIES	
A-2.ACCESSORIES	4-18
SUBSTITUTION PARTS LIST	
T-1.SUBSTITUTION PARTS LIST	
DIP Switch	4-21
NOTE:	

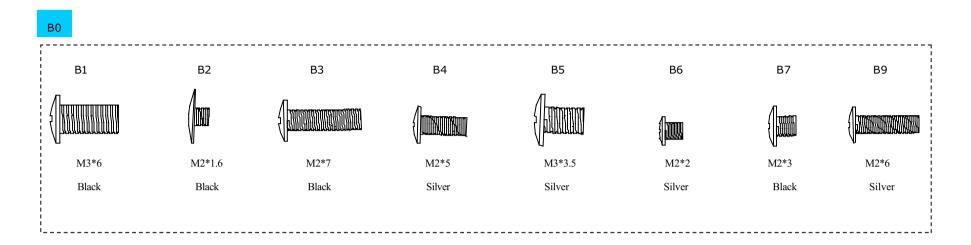
- · The mechanical parts with no reference number in the exploded views are not supplied.
- · When two or more parts are shown, use the part described first as the main part.
- The parts marked "%" are the "Customer Replacable Parts(CRP)" that can be replaced by Filed Customer Support. Especially the parts with the <&> mark require the special attention to use them. Here fore, check first whether the desired part is one of the targetted parts of the Customer Replacable Parts(CRP), or the non-targetted parts by referring to the exploded view.

The components identified by mark \( \frac{1}{2} \) or dotted line with mark \( \frac{1}{2} \) are critical for safely. Replace only with part number specified.



Screws are supplied with a whole set.

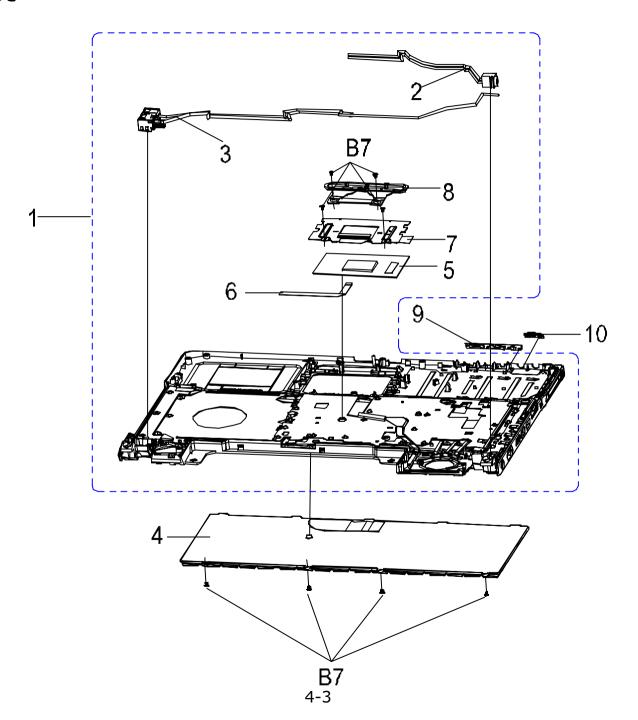
## S-1. SCREWS



Ref.No.	Part No		<u>Description</u>
В0	A-1133-648-A	&	SCREW ASSY
B1			SCREW M3
B2			APPEARANCE SCREW M2
В3			SCREW (M2), EXTERIOR VIEW
B4			GRIP, M2
B5			SCREW, SPECIAL HEAD
В6			SCREW, SPECIAL HEAD
В7			SCREW, M2 SPECIAL HEAD, EG GRIP
В9			SCREW, M2 SPECIAL HEAD, EG GRIP

Note: Screws are supplied with B0, a whole set.

## P-1. Palmrest



\_\_\_\_\_(CHG)
\_\_\_\_\_\_\_(CHG)
\_\_\_\_\_\_\_\_(CHG)

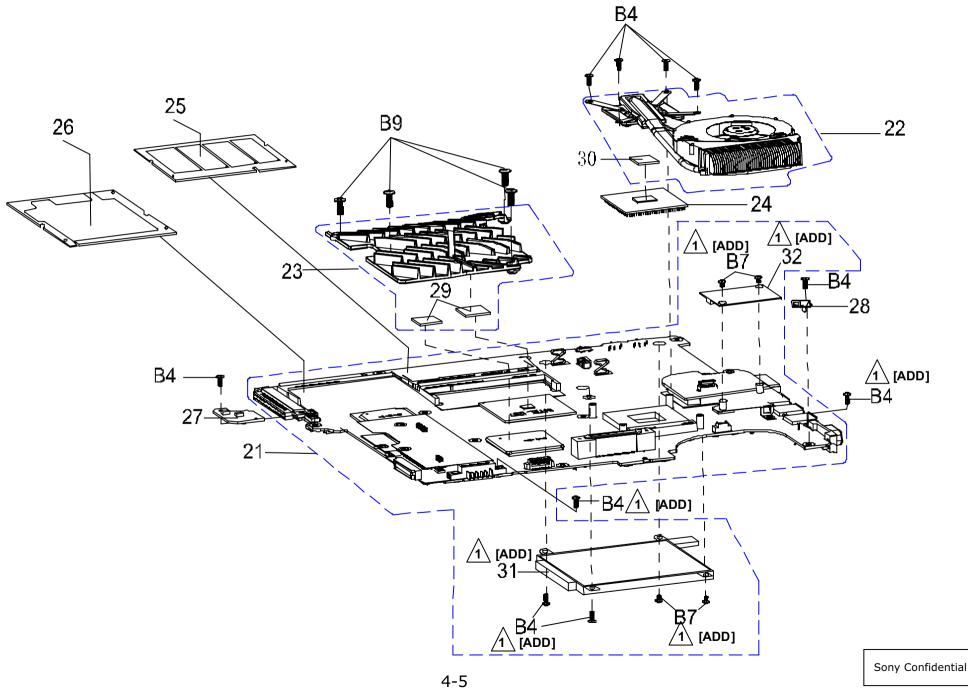
2 1-963-519-11 MS01 CABLE DC IN 6 1-830-442-11 MS01 TOUCHPAD FFC

7 X-2048-471-1 MS01 SUBASSY TOUCHPAD BRACKET

2-546-283-01 MS01 PRETENDED WLAN BUTTON

	8	2-582-765-01	MS01 TOUCHPAD BUTTON																																																	
	В7		SCREW, M2 SPECIAL HEAD, EG GRIP																																																	
				*	:CT	0	Mod	del																																												
г		1	T				J		_		-								_	_	ΑM	1														_	EU				_	_	$\vdash$		_		A	$\overline{\Box}$		$\overline{}$	$\overline{}$	4
								ىد ا	.   *									١											_   _		×			١.				~										ıl	ıl			
				В	В	<u>_</u>	В	ů,		, S	0	ОР	0	0	SP	2B	SB I	P P	<u> </u>	녱	5F	g	SFP	임	OFP	90	، ا ه	0   3	9 8	*	S 8	SXF	52	Z   2	28	묎	5SF	5MF	Σ	2B	7S S	ᆵ	U	U	GP	SP	٩	- 1	В	SP	٩	₽
	of No	Part No.	Description	FS71B	FS51B	FS31B	FS21B	FS21	139113	FS91PSY	FS680	FS660P	FS660	FS640	FS675P	FS635B	FS625B	FS670FG	FS650F	FS630F	FS615F	FS640Q	FS655FP	FS640FP	FS610FP	S620P	-5620	563	SEGOR	0695	S690BH	-S295XP	FS215Z	FSZISM	FS215B	FS215E	FS215SR	FS215MR	FS285M	FS285B	FS215S	FS285H	FS28C	FS25C	FS28GP	FS28SP	FS28LP	FS28TP	FS25GP	.S25	FS25LP	.S25
ľ		A-1128-300-A	MS02 ASSY CABINET PALMREST			•			<del>.   "</del>	•	_	_	•	•	-	-	•	•	$\overline{}$			_	_		-	•	<u></u>	<del>-   -</del>	• •	•	•	۳	-	• "	•		+ = +			-	• •				_	+=+	-	-			•	•
	1	A-1117-464-A	MS02 ASSY CABINET PALMREST(B)		Ħ	寸	_	٠.	٠,	• •			П		•	1	٦,	•	$^{\dagger}$	+	T	T	•	•	•			$\top$			†	•		٦,	,				_	$\top$	$\top$	$\top$	T	Н	Г	П	$\Box$	$\sqcap$	П	$\top$	$\top$	$\neg$
T		1-963-520-31	MS02 CABLE RJ COMBO (WHITE)	•	•	•	•	• •	,	•	•	•	•	•	一	•	•	•		•	•	•			$\Box$	•	•	• •	• •	•	•		•	•	•	•	•	•	•	• •	• •	1	•	•	•	•	•	•	•	•	•	•
	3	1-963-520-21	CABLE RJ COMBO (B)					•	٠,	• •					•		•	•					•	•	•							•		•								T	T	П			П	П	П	T	T	$\exists$
ſ		1-479-153-11	KEYBOARD UNIT (JP)	•	•	•	•		•	•																															T	T		П			П	П	П	T	T	٦
		1-479-153-21	KEYBOARD UNIT (US)			T			T		•	•	•	•		•	•		T							•	•	• •		•	•			T								T	•	•	•		П	П	•	T	T	٦
		1-479-153-31	KEYBOARD UNIT (KR)			ヿ			T				П	Ī	丁	T			Τ			П						T			T			T					T			T		П			•	П	П	$\Box$	•	
		1-479-153-41	KEYBOARD UNIT (TH)											Ī																									T		1	T	1	П		•	П	П	П	•	T	$\exists$
		1-479-153-51	KEYBOARD UNIT (TW)																																							T		П			П	•	П	T		•
		1-479-153-61	KEYBOARD UNIT (RU)																																		•	•				T		П			П	П	П	T	T	٦
		1-479-153-71	KEYBOARD UNIT (CA)			T			T					Ì		T			T		1	•																	T		$\top$	T		П		П	П	П	П	$\Box$	T	٦
		1-479-154-11	KEYBOARD UNIT (GB)						1																								•	•	•	•			•	• •	• •	•		П			П	П	П	T	T	$\neg$
		1-479-154-21	KEYBOARD UNIT (DE)			T			T										T														•	•	•	•			•	• •	• •	•	1	П		П	П	П	П	$\Box$	T	٦
		1-479-154-31	KEYBOARD UNIT (CH)			T													T														•	•	•	•			•	•	•	T	T	П		П	П	П	П	$\Box$	T	٦
		1-479-154-41	KEYBOARD UNIT (FR)			T			T										T		1												•	•	•	•			•	•	• •	•		П		П	П	П	П	$\Box$	T	コ
		1-479-154-51	KEYBOARD UNIT (IT)						1					İ																			•	•	•	•			•	• •	• •	•		П		П	П	П	П	$\Box$	T	丁
	4	1-479-154-61	KEYBOARD UNIT (LA)															•			•																					T		П			П	П	П	T		$\exists$
		1-479-154-71	KEYBOARD UNIT (ES)																														•	•	•	•			•	• •	•	T		П			П	П	П	T	T	
		1-479-154-91	KEYBOARD UNIT (PT)			T			T										T		1														•				T		•	$\top$		П		П	П	П	П	$\Box$	T	٦
		1-479-375-11	KEYBOARD UNIT (JP)(GRAY)					•	٠,	• •				İ																									T			T		П		П	П	П	П	$\Box$	T	コ
		1-479-375-21	KEYBOARD UNIT (US)(GRAY)												•		•	•																								T		П			П	П	П	T	T	٦
		1-479-375-31	KEYBOARD UNIT (AP)(GRAY)			T													T				•	•	•																$\top$	T	T	П	Г	П	П	П	П	$\Box$	T	٦
		1-479-376-11	KEYBOARD UNIT (NL)(GRAY)			T			T										T		İ											•		٠,	,				T		T	$\top$	T	П	Г	П	П	П	П	$\Box$	T	٦
		1-479-376-21	KEYBOARD UNIT (DE)(GRAY)			一			1										$\top$		1											•		١,					T		$\top$	T		П	Г	П	П	П	П	$\Box$	T	コ
		1-479-376-31	KEYBOARD UNIT (CH)(GRAY)																															•	,						T	T		П		П	П	П	П	T	T	٦
		1-479-376-41	KEYBOARD UNIT (FR)(GRAY)			T			T																							•		١,	.							Т		П			П	П	П	T	T	٦
		1-479-376-51	KEYBOARD UNIT (IT)(GRAY)			T			T					Ī	T	T			T									T				•		١,	.							T		П			П	П	П	T	T	٦
		1-479-376-61	KEYBOARD UNIT (ES)(GRAY)			一			1				П	İ					1		1													٠,	,				T		$\top$	T		П		П	П	П	П	$\Box$	T	コ
		1-479-376-71	KEYBOARD UNIT (SE)(GRAY)																															•	,						T	T		П		П	П	П	П	T	T	٦
ſ		1-796-911-21	TOUCHPAD	•	•	•	•			•	•	•	•	•		•	•	•		•	•	•				•	•	• •		•	•		•	•	•	•	•	•	•	•	• •	•	•	•	•	•	•	•	•	•	•	•
	5	1-796-911-12	TOUCHPAD (GRAY)					•	• •	• •					•	Ī	١.	•					•	•	•							•		•					1			T	1	П	Г	П	П	П	П	$\top$	$\top$	٦
ı   [		2-546-282-02	MS02 PALMREST LENS (WHITE)	•	•	•		•	•	•	•	•	•	•	$\neg$	•	•	•	•	•	•	•				•	•	• •	• •	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ı	9	2-546-282-21	MS02 PALMREST LENS (GRAY)		П	Ţ	$\neg$	•		• •					•	1	١,	•					•	•	•							•		١.				一	T		$\top$	T		П	Г	П	П	П	П	$\Box$	$\top$	$\neg$
i]	9	2-546-282-12	MS02 PALMREST LENS W/O PRINTING (WHITE	)			•	• •	•	•					$\neg$	T			T			П						1											T			Т	T	П	Г	П	П	П	П	$\Box$	T	T
a		2-546-282-31	MS02 PALMREST LENS W/O PRINTING (GRAY)					•	.   •	• •																																T	1	П	Г	П	П	П	П	T	$\top$	٦
Γ	10	2-546-281-01	MS01 WLAN BUTTON	•	•	•		•	•	• •	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	• •	• •	•	•	•	•	•	•	•	•	•	•	•	• •	•	•	•	•	•	•	•	•	•	•	•
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[wa] [wa]



## M-1. Main Board

M-1

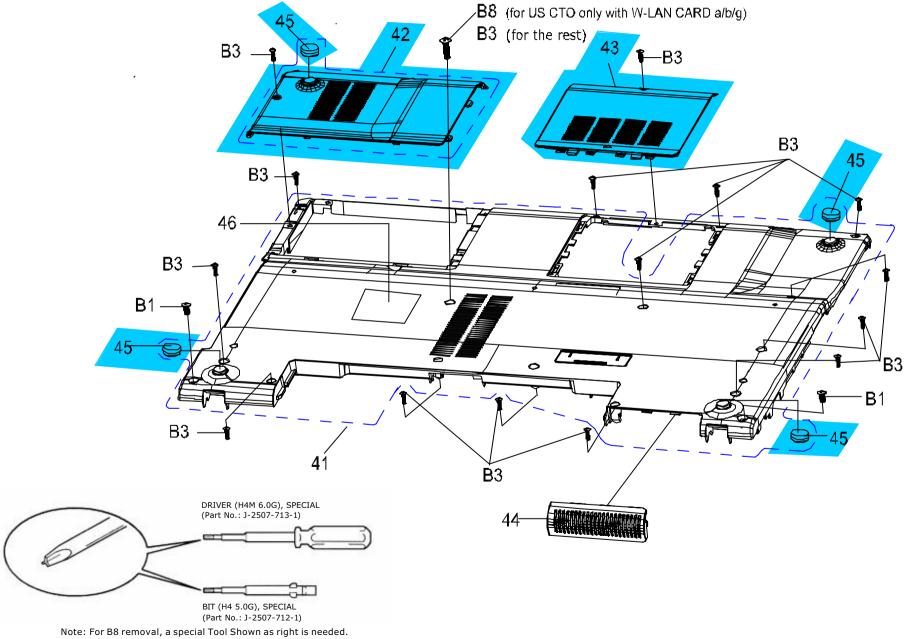
Rei.No.	Part No.	<u>Description</u>
22	A-1093-218-A	MS01 ASSY THERMAL
23	A-1093-219-B	MS01 ASSY THERMAL VGA
28	2-546-280-01	MS01 DC IN BRACKET
29	2-592-555-01	MS01 THERMAL SHEET VGA
30	2-592-554-01	MS01 THERMAL SHEET
32	1-417-539-12	MDC MODULE
B4		GRIP, M2
В7		SCREW, M2 SPECIAL HEAD, EG GRIF
В9		SCREW, M2 SPECIAL HEAD, EG GRIF
	22 23 28 29 30 32 84 87	23 A-1093-219-B 28 2-546-280-01 29 2-592-555-01 30 2-592-554-01 32 1-417-539-12 B4 B7

\* : CTO Model

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Ref.No	. Part No.	Description	FS71B	FS51B	F551B	FS21	FS91PS*	FS91PSY*	FS91S*	FS680	FS660	FS640	FS675P	FS635B	FS625B	FS645P	FS650F	FS630F	FS615F	FS640Q	FS655FP	FS640FP	FS620P	FS620	FS690P*	FS690B *	FS690*	FS295XP	FS215Z	FS215M	FS295VP FS215B	FS215E	FS2155R	FS215MR	FS285M	FS285E	FS215S	FS285H	FS28C	FS25C	FS28GP	FS28SP	FS28LP FS28TP	FS25GP	FS25SP	FS25LP	FS25TP
	A-1117-271-A	MS01 PWA ALL (FOR HIGH)	•				•		•	•	• •										T				•	•	• •			•					•		•					•		• •	$\neg$	$\overline{}$	$\Box$
	A-1117-275-A	MS01 PWA ALL (FOR LOW)		•	• •	•	•		•			•		•	•	1	•	•	•	•	T		•	•	• •	•	• •				•	•				• •	•	$\top$	Т	•	T			$\top$	$\top$	$\Box$	П
21	A-1117-309-A	MS02 PWA ALL (FOR HIGH)(B)					•	•	•				•			•					1							•			•								Т	П	T			T	T	$\Box$	П
	A-1123-501-A	MS02 PWA ALL (FOR LOW)(B)					•	•	•												•	• •	$\cdot$															T		П				T		$\Box$	П
	6-707-261-01	CPU PM2.13		T			•	•	•								T		П		T	T			1.	•	• •			T					T			Т	Г	П	T			T	T	$\Box$	П
	6-707-260-01	CPU PM2.0																							•	•	• •											T	П	П	•	•	• •	٠Ţ	T	$\Box$	П
	6-707-259-01	CPU PM1.86	•							•			•			1	· T				T				•	•	• •	•					•		T		•	T	П	П	T			T	T	$\Box$	П
24	6-707-258-01	CPU PM 1.73		•			•	•	•	-	• •						•				•			-	• •	•	• •		•	•	• •			•	•	•		•	•	П	$\Box$			•	•	1.	•
	6-707-252-01	CPU PM1.6										•		•	•	•				•		•	•	•	•	•	• •													П						$\Box$	П
	6-707-268-01	CPU CEL-M1.5			•		•	•	•												T											•				•	•	Т	П	П	T			Т	T	$\Box$	П
	6-707-715-01	CPU CEL-M1.4			1	•	•	•	•									•	•			1	$\cdot \sqcap$		•	•	• •													•						$\Box$	П
	6-705-096-01	RAM Infineon 512 MB					•	•	•	•	• •		•	•							•				•	•	• •												•	П	•	•	• •	• •		•	•
	6-707-648-01	RAM Hynix 512 MB																			Т							•			•				•					П							П
25	6-707-611-01	RAM Hynix 256 MB																																				Π		•				$\Box$			П
	6-707-657-01	RAM Sumsung 256 MB	•	•	• •	•																																$\Box$							$\Box$		
	6-707-029-01	RAM Infineon 256 MB					•	•	•			•			•	•	•	•	•	•		• •	•	•	• •	•	•		•	•	•	•	•	•		•	•	•									
	1-761-864-51	WIRELESS LAN CARD (b/g FOR US/CA/TW)								•	• •	•	•	•	•	•	•	•	•	•	•	• •	•	•	• •	•	• •																•	,			•
	1-761-864-61	WIRELESS LAN CARD (b/g FOR JP)	•	•			•	•	•																																						
26	1-761-864-71	WIRELESS LAN CARD (b/g FOR EU/ASIA)	Ш																		$\perp$					Ш		•	•	•	• •	•	•	•	•	• •	• •	•	•	•	•	•	•	•	• •	<u> •</u>	Ш
	1-789-095-51	WIRELESS LAN CARD (a/b/g FOR US)																			$\perp$				•	•	• •											┖		Ш				$\perp$	$\perp$	Ш	Ш
	1-789-014-22	WIRELESS LAN CARD (b/g FOR JP)	Ш		•																$\perp$	$\perp$	$\perp$		$\perp$	Ш												$\perp$	L	Ш				$\perp$	$\perp$	Ш	Ш
27	A-1117-455-A	MS02 PWA ANTENNA	•	•	•		•	•	•	•	• •	•	•	•	•	• •	• •	• •	•	•	•	• •	• •	•	• •	•	• •	•	•	•	• •	•	•	•	•	• •	• •	•	•	•	•	•	• •	<u>,   •</u>	<u> •</u>	<u> •</u>	Ŀ
31	1-819-779-11	PCMCIA SOCKET (WHITE)	•	•	• •	• •				• •	• •	•		•	•	_   •	• •	•	•	•	$\perp$	$\perp$	•	•	• •	•	• •	1	•	•	•	•	•	•	•	• •	•	•	•	•	•	•	• •	<u>,   •</u>	<u> </u>	•	•
	1-819-779-21	PCMCIA SOCKET (GRAY)					•	•	•				•			•					•	• •	•					•			•							$\perp$		Ш					$\perp$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}}}}}$	Ш

<u></u> [ADD]

## **B-1.Bottom**

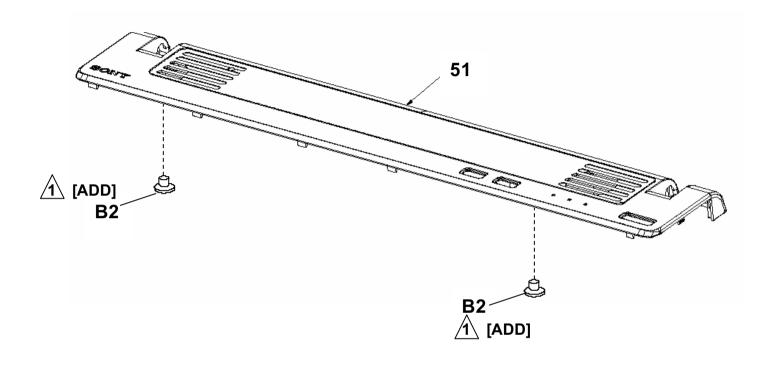


ef.No.	Part No.		Description
41	X-2050-581-2		MS01 ASSY CABINET BOTTOM
42	X-2050-587-2	&	MS01 ASSY HDD DOOR
43	X-2050-582-1	&	MS01 ASSY RAM DOOR
44	2-546-276-01		MS01 COVER THERMAL OUTLET
45	2-546-274-02	&	MS01 RUBBER FOOT
B1			SCREW M3
В3			SCREW (M2),EXTERIOR VIEW

						]														АМ														El	J													40				_
Ref.No.	Part No.	Description	FS71B	FS51B FS31B	FS21B	FS21	FS91PS*	FS91PSY*	F3913.	FSEGOD	FS660	FS640	FS675P	FS635B	FS625B	FS645P	FS670FG	FS650F	FS630F	FS615F	FS640Q	FS655FP	FS640FP	FS610FP	FS620	FS630	FS690P*	FS690B*	FS690*	FS690BH*	FS295XP	FS2152	FSZISIM	FS215B	FS215E	FS215SR	FS215MR	FS285M	FS285B	FS285E	FS215S	FS285H	FS28C	FS25C	FS28GP	FS28SP	FS28LP	FS28TP	FS25GP	FC75GP	FSZSSF	
	2-629-450-01	LABELMODEL NUMBER(J)	•	• •								Τ				П				T				$\neg$							$\neg$				Τ					П	П	П	П		П					Г	T	i
	2-629-450-12	LABELMODEL NUMBER(J)			•	•						T				П								T											Τ					П	П	П	П		П					Г	٦	i
	2-632-273-01	LABELMODEL NUMBER(JCTO) (w/ W-LAN)					•	• •	•			T				П								T											Т					П	П	П	П		П					Г	٦	i
	2-632-273-11	LABELMODEL NUMBER(JCTO) (w/o W-LAN)					•	•	•			Т				П							T	T				П			T			Т	Т				Г	П	П	П	П		П						٦	i
	2-629-459-01	LABEL,MODEL NUMBER (U)					T		٦,		•	•	•	•	•	1.				T	•	Ī	$\neg$	Τ.		•		П		T	$\top$	T		T	Τ	T			Г	П	П	П	П		П		Г	Г		Г		Ì
	2-629-462-01	LABEL,MODEL NUMBER (LA)										T				П	•							1											1					П	П	П	П		П		Г			T	٦	Ì
	2-629-462-11	LABEL,MODEL NUMBER (LA)														П		•																						П	П	П	П		П		Г			T	٦	Ì
	2-629-462-21	LABEL,MODEL NUMBER (LA)														$\Box$			•					1																П	П	П	П		П			Г		T	_	Ì
	2-629-462-31	LABEL,MODEL NUMBER (LA)						1	T		T	T				$\Box$				•			一	十				П			$\top$		T	T	$\top$	1			Г	П	П	$\sqcap$	П		П		Г	Г		T	_	ı
	2-629-462-41	LABEL,MODEL NUMBER (LA)	1 1				T		T			$\top$				$\Box$				T		•	一	十				П		T	$\top$	T	T	T	$\top$	T			Г	П	П	П	П		П		Г	Г			Τ	İ
	2-629-462-51	LABEL,MODEL NUMBER (LA)						1	T		T	T				$\Box$				T			•	十				П			$\top$		T	T	$\top$	1				П	П	$\sqcap$	П		$\sqcap$		Г	Т		T	_	ı
	2-629-462-61	LABEL,MODEL NUMBER (LA)						1	T			T				$\Box$				T			T	•				П			T				T				Г	П	П	П	П		П		Г	Г		T	_	ı
	2-632-766-01	LABEL,MODEL NUMBER (UCTO) W-LAN(a/b/g)										T				$\Box$								1			•	•	•	•	T								Г	П	П	П	П		П		Г	Г		T	_	İ
	2-632-766-11	LABEL,MODEL NUMBER (UCTO) W-LAN(b/g)	Ħ				T	$\top$	T		T	$\top$				$\Box$				一			一	十			•	•	•	•	$\top$	T	T	T	$\top$	T			Г	П	П	П	П		П		Г	Г			Τ	İ
46	2-629-460-01	LABEL,MODEL NUMBER (E)	1 1				T		T			$\top$				$\Box$				T			一	十				П		T	•	٠,			•	T		•	•	•	•	•	П		П	Г	Г	Г			Τ	İ
	2-631-118-01	LABEL,MODEL NUMBER (E)			1							1				$\Box$				T				1				Ħ			1				1	•				П	П	П	П		П						Τ	İ
	2-631-118-11	LABEL,MODEL NUMBER (E)			1											П																					•			П	П	П	П		П		Г	Г			_	ı
	2-650-446-01	LABEL,MODEL NUMBER (C)														$\Box$								1																П	П	П	•		П			Г		T		ı
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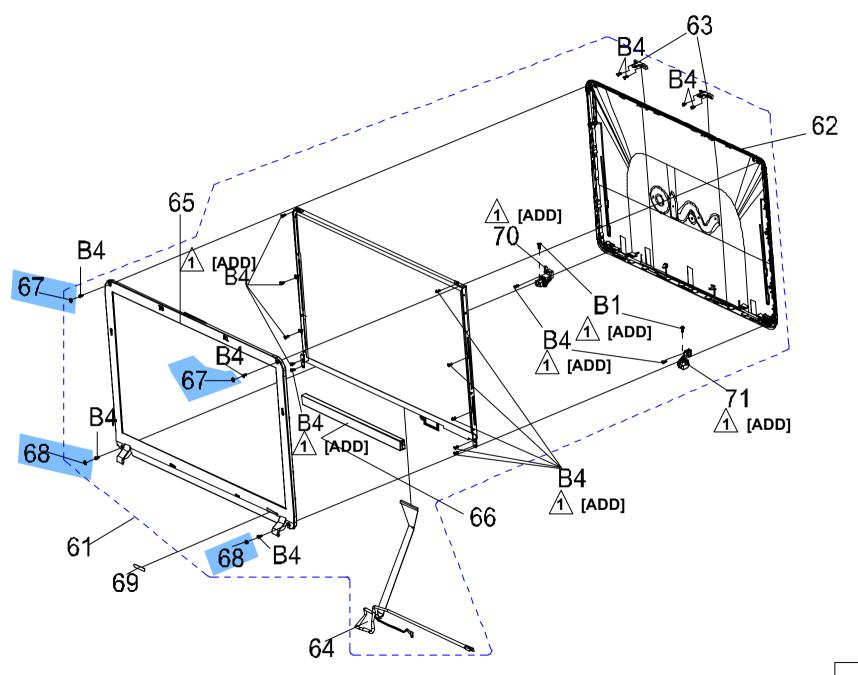
## **C-1. CABINET KBCOVER**

**C-1** 



Ref.No.	Part No.	<u>Description</u>
51	X-2048-486-1	MS01 CABINET &COVER
B2		APPEARANCE SCREW M2 M2 1.6mm Black

## L-1. LCD



Description 63 2-546-200-01 MS01 LCD HOOK 65 X-2050-578-1 MS01 SUBASSY LCD BEZEL 67 2-546-209-01 & MS01 LCD RUBBER ROUND 68 2-587-393-01 & MS01 LCD RUBBER ROUND DOWN 70 2-546-203-01 MS01 HINGE LEFT ⚠ [ADD] ⚠ [ADD] 71 2-546-204-01 MS01 HINGE RIGHT SCREW,M3 В1 GRIP,M2 M2 5mm Siler В4

How to Use Parts Differently FSZSGP ses the two different type of LCD (QDI type,and Hitachi type).

When replacing the LCD,se the QDI type parts for the QDI type LCD,and Hitachi type parts for the Replace the peripheral parts of LCD with the same type in the same way.

[How to identify the QDI and Hitachi types of parts]

Type QDI (rear iew)

MODEL NO.TX39D81VC1AAA MODEL NO.QD15TL03 (A-1133-649-A)



Type Hitachi (rear iew)

NOTE:

• Q for QDI LCD

L-1

H for Hitachi LCD

▲ [ADD] 61  # # # # # # # # # # # # # # # # # #	Part No.  A-1133-649-A A-1108-878-A A-1133-650-A A-1133-651-A A-1127-877-A A-1127-878-A A-1127-879-A X-2048-459-1 A-1128-260-A 1-963-755-11	Description  ASSY LCD (BR-WLAN)(Q)(S)(WHITE)  ASSY LCD (BR-WLAN)(S)(WHITE)  ASSY LCD (HC-SXGA+-WLAN)(S)(WHITE)  ASSY LCD (HC-WXGA-WLAN)(S)(WHITE)  ASSY LCD (BR-WLAN)(Q)(S)(GRAY)  ASSY LCD (HC-SXGA+-WLAN)(S)(GRAY)  ASSY LCD (HC-WXGA-WLAN)(S)(GRAY)  MS01 SUBASSY LCD HOUSING (WHITE)  MS01 SUBASSY LCD HOUSING (GRAY)	_	• •	•	• FS21	•	•	-	• FS660P		• FS640	FS675P	• FS635B	- 1	FS670FG	-	FS630F	• FS615F 🕱		FS640FP		• FS620P				• FS690BH*	FS295XP	FS215Z	FS295VP	FS215B		FS215SR @	FS215MK FS285M	• FS285B	-	FS215S FS285H		• FS25C	FS28GP		FS28TP O	• • FS25GP	+=+	• FS25LP
▲ [ADD]  61 # # # # # # # # # # # # # # # # # # #	A-1133-649-A A-1108-878-A A-1133-650-A A-1133-651-A A-1127-877-A A-1127-878-A A-1127-879-A X-2048-459-1 A-1128-260-A	ASSY LCD (BR-WLAN)(S)(WHITE)  ASSY LCD (HC-SXGA+-WLAN)(S)(WHITE)  ASSY LCD (HC-WXGA-WLAN )(S)(WHITE)  ASSY LCD (BR-WLAN)(Q)(S)(GRAY)  ASSY LCD (HC-SXGA+-WLAN)(S)(GRAY)  ASSY LCD (HC-WXGA-WLAN )(S)(GRAY)  MS01 SUBASSY LCD HOUSING (WHITE)		• •	•		•	Ť	-	•	•	•			- 1																						Ŧ						•	1 1	
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61 # # # # # # # # # # # # # # # # # # #	A-1133-651-A A-1127-877-A A-1127-878-A A-1127-879-A X-2048-459-1 A-1128-260-A	ASSY LCD (HC-WXGA-WLAN )(S)(WHITE) ASSY LCD (BR-WLAN)(Q)(S)(GRAY) ASSY LCD (HC-SXGA+-WLAN)(S)(GRAY) ASSY LCD (HC-WXGA-WLAN )(S)(GRAY) MS01 SUBASSY LCD HOUSING (WHITE)					•	Ť	-	•	•									- 1													- 1								-				
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64 1	1-963-755-21	MS02 LCD CABLE (single)			•	•						•		•	•		•	•			•	•		•	•	•	• •	•		•		•			•	•		•	•				•Q	•	•
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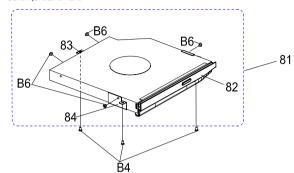
1 [ADD] 2-546-291-01 ADD] 2-546-292-01

Description

MS01 ODD BRACKT BACK MS01 ODD BRACKT FRONT

GRIP,M2

SCREW, SPECIAL HEAD



\*:CTO Model

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		П	Т														AM																												
No.	Description	FS71B	FS51B	FS21B	FS21	FS91PS *	FS91PSY*	FS680	FS660P	FS660	FS640	FS675P FS635B	FS625B	FS645P	FS670FG	FS630F	FS615F	FS640Q	FS655FP FS640FP	FS610FP	FS620P	FS620	FS630 FS690P*	FS690B*	FS690*	FS690BH*	FS215Z	FS215M	FS295VP	FS215B	F5215E FC215CP	F32133R FC215MD	FS285M	FS285B	FS285E	FS215S	FS285H	FS28C FS25C	FS28GP	FS28SP	FS28LP	FS28TP	FS25GP	FS25SP	FS25LP FS25TB
7-944-A	MS01 ASSY ODD HITACHI DW(W)			•																												Т				$\Box$								Т	Т
7-946-A	MS01 ASSY ODD PANA(W-SM+DL)(W)	•	•	•	•	•	T•	•																						П		Т				П								Т	T
7-947-A	MS01 ASSY ODD PANA(B-SM+DL)(B)					•	• •	•																												П		Т						Т	Т
7-948-A	MS01 ASSY ODD PANA(DVD+DL)(W)								•	•	•							•																		П		$\top$						T	T
7-949-A	MS01 ASSY ODD PANA(DVD+DL)(B)											•		•																		T				П		T			П			T	Т
7-951-A	MS01 ASSY ODD SONY(DVD+DL)(W)							•							•	• •							•	•	•	•									•	•	•	T	•	•	•	•	•	•	•
7-952-A	MS01 ASSY ODD SONY(DVD+DL)(B)																		•				$\top$							$\neg$		T				П		$\top$			П			T	
7-953-A	MS01 ASSY ODD Pioneer(DVD+DL)(W)						$\top$	T								T	П			Τ	П		T		П		1.	•		•	•	٠,	•	•		П	$\Box$	$\top$			П	ヿ	T	T	Т
7-954-A	MS01 ASSY ODD Pioneer(DVD+DL)(B)																									•	•		•							П		$\top$			П			T	
7-955-A	MS01 ASSY ODD QSI (SBW 242C)(W)																																			П		• •			П			T	
7-956-A	MS01 ASSY ODD QSI (SBW 243)(W)					•	٦.	•				٠	• •				•				•	•	• •	•	•	•										П		Т						Т	Т
7-957-A	MS01 ASSY ODD QSI (SBW 243)(B)					•	• •	•											•	•												Т				П	$\Box$	$\top$			П			Т	Т
7-958-A	MS01 ASSY ODD TOSHIBA(C2732)(W)					•	1	,															•	•	•	•										П					П			T	
7-959-A	MS01 ASSY ODD TOSHIBA(C2732)(B)					•	• •	•																												П								T	
5-772-1	SUB ASSY MULTI BEZEL	•	•	• •	•	•	٦.	•	•	•	•	٦.	• •		•	• •	•	•			•	•	• •	•	•	•	•	•		•	• •	٠,	•	•	•	•	•	T	•	•	•	•	•	•	• •
5-780-1	SUB ASSY MULTI BEZEL (B)					•	• •	•				•		•					• •	•						•	•		•							П								$\top$	
9-825-1	SUB ASSY MULTI BEZEL										•																									П								T	
9-752-1	SUB ASSY MULTI BEZEL																						T							$\neg$						П		• •						$\top$	T
7-9 7-9 7-9 7-9 7-9 7-9 7-9 7-9 7-9	947-A 948-A 949-A 951-A 952-A 953-A 955-A 955-A 956-A 957-A 959-A 772-1 780-1 825-1	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(B) 951-A MS01 ASSY ODD PANA(DVD+DL)(B) 952-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(B) 953-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 954-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(B) 958-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 772-1 SUB ASSY MULTI BEZEL 780-1 SUB ASSY MULTI BEZEL (B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(W) 951-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(W) 953-A MS01 ASSY ODD SONY(DVD+DL)(W) 954-A MS01 ASSY ODD Pioneer(DVD+DL)(W) 955-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(W) 958-A MS01 ASSY ODD QSI (SBW 243)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 772-1 SUB ASSY MULTI BEZEL ● 780-1 SUB ASSY MULTI BEZEL	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(W) 951-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(W) 953-A MS01 ASSY ODD FIONEER(DVD+DL)(W) 954-A MS01 ASSY ODD PIONEER(DVD+DL)(B) 955-A MS01 ASSY ODD PIONEER(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(W) 958-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 9772-1 SUB ASSY MULTI BEZEL • •	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(W) 951-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(W) 953-A MS01 ASSY ODD Pioneer(DVD+DL)(W) 954-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 772-1 SUB ASSY MULTI BEZEL  • • • •	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(B) 951-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(B) 953-A MS01 ASSY ODD Pioneer(DVD+DL)(W) 954-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY MULTI BEZEL  • • • • • • • • • • • • • • • • • • •	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(W) 951-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(W) 953-A MS01 ASSY ODD SONY(DVD+DL)(W) 954-A MS01 ASSY ODD Pioneer(DVD+DL)(W) 955-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY MULTI BEZEL  • • • • • • • • • • • • • • • • • •	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(B) 951-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(B) 953-A MS01 ASSY ODD Pioneer(DVD+DL)(W) 954-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD Pioneer(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(B) 958-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY MULTI BEZEL 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(B) 951-A MS01 ASSY ODD SONY(DVD+DL)(W) 952-A MS01 ASSY ODD SONY(DVD+DL)(B) 953-A MS01 ASSY ODD PONE(DVD+DL)(W) 954-A MS01 ASSY ODD PONE(DVD+DL)(B) 955-A MS01 ASSY ODD PONE(DVD+DL)(B) 955-A MS01 ASSY ODD QSI (SBW 242C)(W) 956-A MS01 ASSY ODD QSI (SBW 243)(W) 957-A MS01 ASSY ODD QSI (SBW 243)(B) 958-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 958-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(DVD+DL)(W) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(W) 955-A MS01 ASSY ODD SONY(DVD+DL)(W) 957-A MS01 ASSY ODD SONY(DVD+DL)(W) 958-A MS01 ASSY ODD PANA(DVD+DL)(W) 958-A MS01 ASSY ODD SONY(DVD+DL)(W) 958-A MS01 ASSY ODD SONY(DVD+DL)(W) 958-A MS01 ASSY ODD SONY(DVD+DL)(B) 958-A MS01 ASSY ODD SONY(DVD+DL)(B) 958-A MS01 ASSY ODD SONS(DVD+DL)(W) 958-A MS01 ASSY ODD SONS(DVD+DL)(W) 958-A MS01 ASSY ODD SONS(DSW 242C)(W) 958-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD SONS(DSW 243C)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY ODD TOSHIBA(C2732)(W) 959-A MS01 ASSY MULTI BEZEL  • • • • • • • • • • • • • • • • • • •	947-A MS01 ASSY ODD PANA(DVD+DL)(W) 948-A MS01 ASSY ODD PANA(DVD+DL)(W) 949-A MS01 ASSY ODD PANA(DVD+DL)(B) 951-A MS01 ASSY ODD SONY(DVD+DL)(B) 952-A MS01 ASSY ODD SONY(DVD+DL)(B) 953-A MS01 ASSY ODD PANA(DVD+DL)(B) 954-A MS01 ASSY ODD PANA(DVD+DL)(B) 955-A MS01 ASSY ODD PANA(DVD+DL)(B) 954-A MS01 ASSY ODD PANA(DVD+DL)(B) 955-A MS01 ASSY ODD SONY(DVD+DL)(B) 956-A MS01 ASSY ODD PIONEEr(DVD+DL)(B) 957-A MS01 ASSY ODD QSI (SBW 242C)(W) 958-A MS01 ASSY ODD QSI (SBW 243)(W) 958-A MS01 ASSY ODD SONS(DSW 242C)(W) 959-A MS01 ASSY ODD SONS(DSW 243)(B) 959-A MS01 ASSY ODD SONS(DSW 243)(B) 959-A MS01 ASSY ODD SONS(DSW 243)(B) 959-A MS01 ASSY ODD SONS(DSW 243)(B) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY ODD TOSHIBA(C2732)(B) 959-A MS01 ASSY MULTI BEZEL 90-00-00-00-00-00-00-00-00-00-00-00-00-0	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)	947-A MS01 ASSY ODD PANA(B-SM+DL)(B)

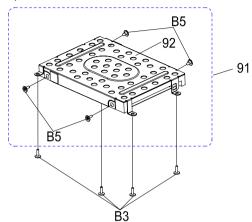
1 [ADD]

Ref.No. Part No. Description

A-1092-487-A MS01 SUBASSY HDD BRACET

B3 SCREW (M2),EXTERIOR VIEW

B5 SCREW,SPECIAL HEAD



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						J														ΙA	М																EU							Τ					AO				
Ref.No.	Part No.	Description	FS71B	FS51B	FS31B	1321D FS21	FS91PS*	FS91PSY*	FS915 *	FS680	FS660P	FS660	FS640	FS675P	FS635B	FS625B	FS645P	130/0FG	FS630F	FS615F	FS640Q	FS655FP	FS640FP	FS610FP	FS620P	FS620	FS630	FS690P*	FS690B*	FCAGORH*	FS295XP	FS215Z	FS215M	FS295VP	FS215B	FS215E	FS215SR	FS215MR	FS285M	FS285B	FS285E	FS215S	FS285H	FS28C	FS25C	FS28GP	FS28SP	FS28LP	FS28TP	FS25GP	FS25SP	FS25LP	FS25TP
	A-1127-960-A	MS02 ASSY HDD 100GB (FJ)	•	_	$\perp$				_	•	_						$\perp$	┸	┸	┸	$\perp$				_	_	$\perp$	$\perp$	$\perp$	$\perp$	┸							_		┖				丄	丄	丄	┸	$\perp$	$\perp$	L	$oldsymbol{\perp}$	┖	Ш
	A-1127-961-A	MS02 ASSY HDD 100GB (TO)	Ш	•			•	•	•					•				┸	┸	┸							$\perp$	•	• •	• •	•	•					•					•		┸	$\perp$	$\perp$	┸	$\perp$	$\perp$	L	┖	L	Ш
	A-1108-903-A	MS01 ASSY HDD 80GB (HI)											•				•	•			•	•			•	•	•						•					•						Ш	$\perp$	$\perp$		$\perp$	$\perp$		Ш		Ш
	A-1127-962-A	MS02 ASSY HDD 80G (FJ)																																•					•	•	•		•		L	L		L					
	A-1108-905-A	MS01 ASSY HDD 80G (TO)			•		•	•	•	П	•	•															Т	•	• •	•   •	·T														Т	1	1.	•	•				
91	A-1108-906-A	MS01 ASSY HDD 60GB (HI)								Т																		Т							•	•								T	Т	Т	Т	Т	Т		Ī		П
	A-1127-963-A	MS02 ASSY HDD 60G (FJ)			•	$\cdot \top$				Т					•		T	7	•				•				T	Т																Т	Т	Т	Т	Т	Т	•	•	•	•
	A-1108-908-A	MS01 ASSY HDD 60G (TO)				•	•	•	•	Т							T			T							T	•	• •	•														Т	Т	Т	Т	Т	Т		Ī		П
	A-1108-909-A	MS01 ASSY HDD 40G (TO)	П							Т	Π						$\sqcap$	T	T	T						T	$\top$	$\top$	$\top$										Γ	П				•	•	$\top$	Т	Т	T				П
	A-1108-910-A	MS01 ASSY HDD 40GB (HI)	П				•	•	•	Т	Π					•	$\sqcap$	T	•	•				•		T	$\neg$	•	• •	•									Π						$\top$	$\top$	Τ	Т	T				П
	A-1108-911-A	MS01 ASSY HDD 30GB (HI)	П							Т	Π						$\sqcap$			Т							$\neg$	•	• •	•	•								Γ						$\top$	$\top$	Τ	Т	T				П
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## **A-1. ACCESSORIES**

2001 Memory Card Adapter



2004 Floppy Disk Drive



2005 Power Cord



2006 AC Adapter



2007 Battery Pack



2030 Port Replicator



Refer to A -2. Accessories

#### 2031 SPEAKER



2032 Adapter, AC (SPEAKER)



2034 CORD, POWER (SPEAKER)



2035 RAY-CATCHER



2036 REMOTE COMMANDER



2037 RF C ORD WITH F TERMINAL



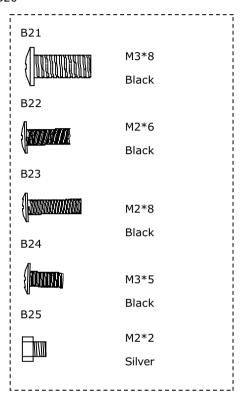
<sup>• 1)</sup> The Ref. 2030-2037 are included only in the models supplied with the Port Replicator.

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				71B	FS51B	31B	.S21	FS91PS*	91PSY*	FS91S *	-S660P	099	FS640	-S675P	S625B	-S645P	670FG	FS630F	615F	-S640Q	S640FP	610FP	-S620P	620	* d069	*8069S	*86908+ *REGREEN	-S295XP	-S215Z	295VP	-S215B	-5215E	FS215MR	285M	285B	285E	-S215S	28C	FS25C	28GP	FS28SP	28TP	-S25GP	-S25SP	FS25TP
Ref.No.	Part No.		Description								FS	R.	FS	S I	S E	E E	E E	S S	S	S F	E E	FS	FS	S S	FS	FS	S S	E S	S E	FS	FS	5 R	E E	FS	FS	FS	S R	FS	FS	FS	S I	FS	S.	ST R	- E
2001	1-478-615-11	8	MEMORY CARD ADAPTER	•	•	_	• •	•	•	•		┖		4			_		Ш		$\perp$			4		4		Ш			4		╙	Ш		$\Box$			Ш		4	1		$\bot$	Ш
2004	1-476-818-21	8⊏	FDD VGP-UFD1	L	•	_	$\perp$			$\perp$	$\perp$	┖	Ш	$\perp$	$\perp$	Ш	$\perp$		Ш		$\perp$	$\perp$		$\perp$	Ш	_		Ш		$\perp$	$\perp$	_	$\perp$	Ш		$\perp$		$\perp$	Ш	_	$\perp$	$\perp$	Ш	$\bot$	Ш
	1-827-160-21	&	POWER CORD FOR JP	•	•	• •	•	•	•	•		_		$\perp$					Ш					$\perp$		$\perp$		$\perp \perp$			_		$\perp$						Ш		$\perp$		Ш	$\bot$	Ш
	1-829-237-21	&	POWER CORD FOR US							•	•	•	•	• •	• •	•	• •	•	•	• •	• •	•	•	• •	•	•	• •												Ш					$\perp$	Ш
	1-827-946-31	&	POWER CORD FOR E(GB)																									•	• •	•	•	•		•	•	•	• •	,							
	1-827-481-21	&	POWER CORD FOR E(NON GB)																									•	• •	•	•	•		•	•	•	•	•							
1.	1-830-375-11	&	POWER CORD FOR E(RU)																													•	•												
2005	1-827-945-21	&	POWER CORD FOR I(HK)																									П												•			•	П	П
	1-823-947-33	&	POWER CORD FOR I(KOREA)	П		$\top$						Г		T			T		П					$\top$		T		$\Box$			T		Τ	П		П			П		٦,		П	7.	·П
	1-824-910-41	&	POWER CORD FOR I(HK)																																					•			•	$\top$	П
	1-830-518-21	&	POWER CORD FOR I(TAIWAN)	П	$\sqcap$	$\top$	1	П				Π	П	T	T		T		П				П	T		$\top$		$\top$		П	T	Ť		П		$\dashv$	T		П		T	•	П	T	1
	1-827-481-21	&	POWER CORD FOR I(THAILAND)	П	$\sqcap$	$\top$	$\top$	П	$\top$	$\top$	$\top$	Т	П	$\top$	$\top$		$\top$	1	П	$\top$	$\top$	$\vdash$	$\sqcap$	$\top$	$\sqcap$	$\top$	$\top$	$\top$	$\top$	П	$\top$	$\top$	$\top$	$\sqcap$	$\Box$	$\dashv$	$\top$	$\top$	П	$\dashv$	•	T	$\sqcap$	•	$\forall$
	1-827-947-21	&	POWER CORD FOR C	П	$\sqcap$	$\top$	T	Ħ	$\top$	T	T	T	Ħ	$\top$	1	ΙT	$\top$	1	П	T	T	$\Box$	$\sqcap$	$\top$	$\Box$	$\top$	$\top$	$\dagger \dagger$	$\top$	П	$\top$	T	$\top$	П	Ħ	$\dashv$	$^{\dagger}$	•	•	1	$\top$	T	$\sqcap$	十	$\forall$
⚠[CHG]	1-479-116-12	æ=	ADAPTER AC19V11	•	•	٠.		H	$\top$	$\top$	•	•	•	٠,		•	$\top$		H	•	$\top$		•	٠.	$\Box$	$\dashv$	$\top$	1.	┪.	•	•	•	$\top$	•	•	•	•	+-	H	<b>-</b>	$\top$	T	$\sqcap$	$\top$	$\forall$
⚠[CHG]	1-479-116-31	&=	ADAPTER AC19V11		•	٠.	١.	H	$\top$	+	١.	١.		٠,			$\top$	+	$\Box$	•	+	T		٠.	$\dagger$	$\dashv$	_	1.	┪.	١.	•		+	١.	•	•		. 🕇 –	$\Box$	_	十	+	$\Box$	+	+
⚠[CHG]	1-479-114-23	&=	ADAPTER AC19V10	Ė	Ħ	Ť	Ť				Ť	Ė	Ħ	+	Ť	Ħ	٦,		-	_			Ħ	Ť		•		Ħ	+	Ť	Ť	+	+			Ť	Ť		١.					٠.	, ,
⚠[CHG]			ADAPTER AC19V10	$\vdash$	$\vdash$	+	+	_	$\rightarrow$	•	+	$\vdash$	$\vdash$	+	+	$\vdash$	-	•	${}$	_	•	-	$\vdash$	+	+	-	•	+	+	+	$\dashv$	+	+	$\vdash$		$\dashv$	+	١.	$\rightarrow$	_	•	-	-	•	$\overline{}$
<u>↑</u> [ADD]	1-479-114-31	e– 8≔	ADAPTER AC19V10 ADAPTER AC19V10	$\vdash$	+	+	+	_	•	+	+	╁	$\vdash$	+	+	$\vdash$	+	+-	-	_	•	-	+	+	+	$\rightarrow$	•	+	+	+	+	+	+	Н	-	$\dashv$	+	+	-	_		+	-	•	+
ZIZ[ADD]			ADAPTER AC19V10 ADAPTER AC19V12	$\vdash$		+	+	·	-	+	+	$\vdash$		+	+	$\vdash$	+	+	•	+	+	ŀ	$\vdash$	+	+	╛	+	+	+	+	+	١.	+	$\vdash$		$\dashv$	+	+•	•	•	+	+•	+	+•	╀
	1-479-231-11	<b>8</b> =		$\vdash$	$\vdash$	+	+	$\vdash$	$\dashv$	+	+	⊢	$\vdash$	+	+	$\vdash$	+	+	$\vdash$	-	+	+	$\vdash$	+	١.	•		+	+	+	$\dashv$	+	+•	$\vdash$	$\dashv$	$\dashv$	+	╁	$\vdash$	$\dashv$	+	+	$\vdash$	+	+
	1-479-388-11	<b>≈</b> =	ADAPTER AC19V9	$\vdash$	$\vdash$	+	+		+	+	+	┢	$\vdash$	+	+	H	┿	-	$\vdash$		+	+	$\vdash$	+	╀	-	+	+	┿	+	-	+	+	$\vdash$		$\dashv$	-	-	$\vdash$		+	+-	H	+	+
	A-1114-325-A	&=	BATTERY 9139 ASSY MAIN BP FOR JP	•	•	•   •	<b>+</b> •	•	•	•	+	┢		+	+	$\vdash$	+	-	$\vdash$	-	+	+	$\vdash$	+	+ +	+	-	+	_	+	+	+	+	Н	-	$\dashv$	-	+-	Н	-	+	+	$\vdash$	+	+
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A-1114-326-A	<u>&amp;</u>	BATTERY 9139 ASSY MAIN BP FOR US	$\vdash$	$\vdash$	+	+	$\vdash$	-	+	•	ŀ	•	• •	•	•	+	-	$\vdash$	-	+	$\vdash$	•	•   •	•	•	• •	+	-	+	$\dashv$	+	+	$\vdash$	$\dashv$	$\dashv$	+	+-	$\vdash$	-	+	+	$\vdash$	+	+
	1-756-531-22	*	BATTERY PACK, LITHIUMION for EU/AP	H	$\vdash$	+	+	H	$\vdash$	4	+	⊢		+	-	Η'	•   •	• •	•	• •	•	•	$\vdash$	+	+	$\dashv$	_	1.	• •	•	•	• •	•	•	•	•	• •	-	Н	•	• •	•	•	• •	+-
⚠[CHG]	1-756-531-51	<b>Æ</b>	BATTERY PACK, LITHIUMION for CHINA			_	_		$\perp$	4	-	_		$\perp$	-	$\vdash$	$\perp$	_	Н		$\perp$	$\perp$		$\perp$		$\dashv$	_	+	_		4		$\perp$	Н		$\dashv$	_	•	•		$\perp$	$\bot$	Ш	+	+
	A-1072-509-A	8 <del>⊏</del>	BATTERY PACK BPL2 (U) (S)	lacksquare		_	_	Ш	$\perp$	_	$\perp$	╙	$\sqcup$	4	$\bot$	Ш	_		Ш		_	$\perp$	Ш	_	•	•	• •	$\sqcup$	$\perp$	Ш	$\rightarrow$	4	$\perp$	Ш		_	_	$\perp$	Ш	_	4	_	Ш	+	Ш
2009	1-770-019-61	&	ADAPTOR, CONVERSION PLUG	Ш		_	┸			_		_		_			$\perp$		Ш			Ш		_		_		$\sqcup$			_		_	Ш		$\Box$				•	_		•	+	Ш
2010	1-816-429-12	&	PHONE PLUG (GB only )	L		_	┸			$\perp$		┖	Ш	$\perp$			_		Ш		$\perp$			┸		4		•	• •	•	•	•	┸	•	•	•	• •	<u> </u>	Ш		$\perp$	$\perp$	Ш	$\bot$	Ш
2030	-		PORT REPLICATOR	L		$\perp$	$\perp$		$\perp$	•	·	_		$\perp$		μ.	•		Ш		$\perp$	$\perp$		$\perp$	•	•	• •	$\sqcup$	•		$\perp$		$\perp$	Ш		$\Box$			Ш		$\perp$		Ш	$\bot$	Ш
2031		&	SPEAKER UNIT							•						١.	•								•	•	• •		•					Ш					Ш				Ш	$\perp$	
1 2032	1-479-364-11	&	ADAPTOR, AC (SPEAKER)	$\Box$						•	·L	L				_   ·	•		$\Box$						•	•	• •		•					$\square$					Ш					$\perp$	
	1-829-237-21	&	CORD, POWER (U) (SPEAKER)							•	$\perp$						•								•	•	• •	$\prod$			$\Box$			$\Box$			$\Box$		$\Box$						
<b></b> (CHG)	1-827-481-21	&	CORD, POWER (E) FR,NL,CH,DE,ES,IT (SPEAKER)			$oxed{oxed}$	$\prod$			I				$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$	$\perp$		$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$			П	$oldsymbol{ol}}}}}}}}}}}}}}}$			$oldsymbol{ol}}}}}}}}}}}}}}}$					•		$\Box$	$oldsymbol{ol}}}}}}}}}}}}}}$	$\prod$				$oldsymbol{ol}}}}}}}}}}}}}}$				$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$		$\Box$	
L	1-827-946-31	&	CORD, POWER (E) GB (SPEAKER)			$\prod$								$\perp$			$\prod$												•												$\perp$			$\Box$	
2035	1-477-218-61	&	RAY-CATCHER UNIT (U)							1						Ι.	•			Т				T	•	•	•																	$\top$	$\Box$
2035	1-477-218-81	&	RAY-CATCHER UNIT (E)		П	T								T					П					T					•		T			П		$\neg$			П		T		П	T	$\Box$
	1-479-183-11	&	REMOTE COMMANDER (RM-VC10U)		П					•	,					Π,	•		П						•	•	• •									$\Box$			П				$\sqcap$	$\top$	П
2036	1-478-969-12	&	REMOTE COMMANDER (RM-VC10E)	П	$\sqcap$	$\top$	T	П		T		Π	П	$\top$	1		$\top$		П	T			$\Box$	$\top$	П	$\neg$	$\top$		•	П	$\dashv$		$\top$	П		$\Box$	$\top$		П	T	$\top$	T	$\sqcap$	$\top$	П
2037	1-829-239-11	8.	RF CORD WITH F TERMINAL	П	H	1	1	П		١.		T	П	T		Η,	•		П	T			H	$\top$	•	•	• •	$\top$		П	1	T	T	П		一		T	П		T	1	П	$\top$	$\forall$
-	2-629-393-02	8.	MANUAL (XP), INSTRUCTION	•	•		•	•	•	•	1			$\top$			$\top$		П					$\top$	$\Box$	$\dashv$		$\top$			$\top$		$\top$	$\Box$		$\dashv$		1	П		$\top$	T	$\Box$	$\top$	$\Box$
-	2-630-644-11	8.	MANUAL, INSTRUCTION (Port Replicator)	П	$\vdash$	$\top$	T	П	$\top$	٦.		T	Ħ	$\top$	$\top$	Η.	•	1	П	$\top$	$\top$	$\vdash$	$\sqcap$	$\top$	•	•	•	+	$\top$	П	$\top$	$\top$	$\top$	$\sqcap$	$\Box$	$\dashv$	$^{+}$	T	П	1	$\top$	T	$\sqcap$	$\top$	$\forall$
⚠[ADD]	2-633-048-11	8	WELCOME MAT 3230 (U) (C)	Т	H	$\top$	T	П	$\vdash$	٦.		•				-	_								H	$\top$	$\top$	$\dagger$	$\top$	Ħ	+	$\top$	T	П	H	$\dashv$	+	T	П	1	+	T	Ħ	+	$\forall$
-   -	2-633-048-21	- &	WELCOME MAT 3230 (U) (C)	H	H	+	T	H	$\vdash$	T	Ť	t	H	+	+	$\vdash$	+		H	Ŧ	Ť	$\vdash$	H	+	•	•		$\dagger$	$\top$	H	$\dashv$	+	$\top$	$\Box$		$\dashv$	+	+	H	$\dashv$	$\top$	T	$\vdash$	+	$\forall$
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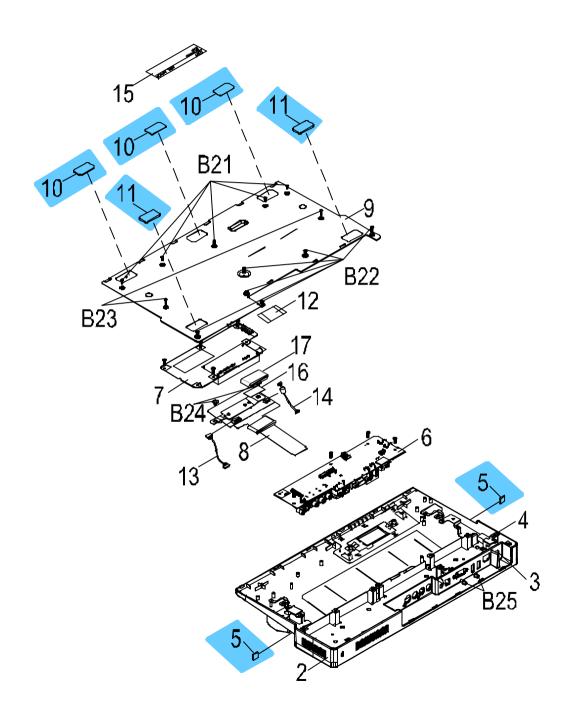
	Part No. 2-630-006-11 2-630-006-21				Τ	ΤÍ																								EU					Ь.			AO			
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	2-630-006-21	&	HW SPECS, 3230 (E) A-1(GB)		1	П		П					П		П							П				•		•					<b></b>							Τ	
		&	HW SPECS, 3230 (E) A-1(DE)		1																				•	•		•					1	· 🗆							
l 1	2-630-006-31	&	HW SPECS, 3230 (E) A-1(FR)		1			П			П		П		П							П		П	•	•		•					٦.		П						Г
[	2-630-006-41	&	HW SPECS, 3230 (E) A-1(IT)			П		П					П		П							П		П	•	• •		•					1	٠T						Ī	П
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Ī	2-630-006-71	&	HW SPECS, 3230 (E) A-1(PT)			11		11			Ħ		П		$\Box$					1 1		$\Box$		T							1		١.	·T							
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Ī	2-630-007-11	&	HW SPECS, 3230 (E) A-2(AGR)			11		11					П		$\Box$					11		$\Box$		T							1		١.	·T							
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Ī	2-630-008-11	&	HW SPECS, 3230 (E) B(GB)					Ħ					П														•	•	•					$\top$						T	T
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- 1	2-630-008-91	&	HW SPECS, 3230 (E) B(AGR)		_	$\top$	_	$\top$		1	$\Box$		$\Box$		$\Box$		$\top$	$\top$	$\top$	T	$\dashv$	$\top$		$\top$		$\top$	$\vdash$	١.	Ħ	T	$\top$	Ħ	$\top$	$\top$	Ħ	$\top$	$\top$	$\top$		$\top$	$\vdash$
F	2-630-009-11	&	HW SPECS, 3230 (E) C (GB)			$\top$		$\top$		1	Ħ		Ħ		$\top$					11	1	$\top$		$\top$			$\vdash$		П		١.	•	•	•	$\Box$					T	$\vdash$
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	2-631-656-11	&	TROUBLESHOOTING GUIDE		1	11		$\Box$			Ħ	T	Ħ		11					1 1	t	11		11					Ħ	1	1	t t	$\top$	$\top$	$\Box$	٦,			١.		$\vdash$
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	2-629-265-11	8.	SPEC SHEET (3230G)		1	$\top$	+	$\top$	_	1	$\vdash$	1	$\vdash$	-	$\top$	<u> </u>			1	T	1	$\top$		$\top$		$\top$	$\vdash$	+	Ħ	$\top$	$\top$		$\top$	$\top$	$\Box$	٦,			٠.		$\vdash$
	2-629-265-21	8.	SPEC SHEET (3230G)	$\dashv$	+	+	+	+	+	+	$\vdash$	+	$\sqcap$	_	+	_			+	+		+		+		+	$\vdash$		H		+	$\vdash$	+	$\top$	$\vdash$	Ť	Ť	•	Ť	Ť	١.
- h	2-629-265-31	<u>&amp;</u>	SPEC SHEET (3230G)	$\dashv$	+	+	$\dashv$	+	_		$\vdash$	$\top$	$\vdash$	$\neg$	+	$\top$	$\top$		+	+	$\vdash$	+		+	$\dashv$	$\top$	$\vdash$	$\top$	$\vdash$	$\top$	+		+	$\top$	•	•	+	$\vdash$		+	$\vdash$
H	2-629-265-41	8.	SPEC SHEET (3230G)	+	+	+	-	+	$\neg$	+	$\vdash$	+	$\vdash$	-	+	$\dashv$		+	+	++	+	+	+	+	_	+	$\forall$		H	+	+	$\vdash$	+	+	$\vdash$	+	+			+	$\vdash$
	2-633-277-11	8.	SAFETY/REGULATIONS GUIDE 1 (C)	+	+	+	+	+	$\dashv$	+	$\vdash$	+	$\dashv$	$\dashv$	+	+	+	+	+	+	$\dashv$	+	$\dashv$	+	$\dashv$	+	H	+	H	$\dashv$	+	H	+	$\top$	H	١.		-	•	+	١.
- h	2-633-277-21	- &	SAFETY/REGULATIONS GUIDE 1 (C)	$\dashv$	+	+	+	+	$\dashv$	+	$\vdash$	+	$\forall$	$\dashv$	+	+		$\dashv$	+	+	$\dashv$	+	$\dashv$	+	$\dashv$	+	$\forall$		$\forall$	+	+	$\forall$	+	+		•	Ť	$\vdash$	Ť	Ť	Ť
	2 033-2//-21	- CX	SALETTI REGULATIONS GOLDE 1 (C)				I						ш	!								[WA]			Æ [W]				Ш					—	ات.					—	Щ

## **A-2. ACCESSORIES**

B20



Note: Screw are supplied with B20,a whole set



## A-2. ACCESSORIES (Port Replicator)

**A-2** 

				*	: C	то	М	ode	el																																												
_				_			J	_		_	┸	_									A١٩	1										$\bot$					E	U			_		_	$\perp$	_			A	<u>)</u>	_	_	—	_
Re	f.No.	Part No.	Description	FS71B	FS51B	FS31B	FS21B	FS21	FS91PS *	FS915 *	FS 680	FS660P	FS 660	FS640	FS675P	FS635B	FS625B	FS645P	FS670FG FS650F	ES630F	FS615F	FS640Q	FS655FP	FS640FP	FS610FP	FS620P	FS620	FS630	FS690P*	FS690B *	FS690 *	FS295XP	FS215Z	FS215M	FS295VP	FS215B	FS215E	FS215SR	FS215MR	F5.285M FC.285R	13203B	F5285E F5215S	FS285H	FS28C	FS25C	FS28GP	FS28SP	FS28LP	FS28TP	FS25GP	FS25SP	FS25LP FS25TP	15251r
		A-1127-780-A	RS01-TOP-ASM								•			_					•		T										•							1					T						T	T	T	T	٦
	2	A-1128-702-A	RS01-TOP-ASM				T	T	T	$\top$	l		Ħ	ヿ		T	T				T							T		T		T	•			$\dashv$		1			T		1				ヿ		ヿ	十	T	$\top$	1
	3	A-1122-559-A	RS01-CABLE-DC-IN				T	1		$\top$	•			一		T			•								T	T	•	•	•	•	•			一		$\top$			T		T				一		$\top$	T	T	$\top$	٦
	4	2-599-525-01	RS01-HOLDER-DCJACK					T		T	•			T	Ī	T			•		T							T	•	•	•	•	•			T		T			T		T				T	ı	T	T	T	T	1
	5	2-637-689-01 &	RUBBER 95*95*13								•								•										•	•	•	•	•																T			$\top$	٦
	6	A-1122-558-A	RS01-PCB-MAIN(Sub-Assy)								•								•										•	•	•	•	•																T	Т	$\top$	$\top$	
	7	A-1122-564-A	3062_BOARD_TV-TUNER_REF (U)								•								•										•	•	•	$\cdot \top$																				$oxed{T}$	
	,	A-1122-565-A	3062_BOARD_TV-TUNER_REF (E)																														•																				
	8	A-1122-562-A	RS01-PCB-DOCKING-CONN(Sub-Assy)								•								•										•	•	•	•	•																			$\perp$	
	9	A-1127-781-A	RS01-BTM-ASM(Sub-Assy)								•								•										•	•	•	•	•																				
	10	2-546-323-01 &	RS01-RUBBER-FOOT-FRONT								•								•										•	•	•	•	•																				
	11	2-637-688-01 &	RS01 RUBBER 40T (FOOT BACK)								•								•										•	•	•	•	•																				
	12	1-963-853-11	RS01-FPC-MB-TV								•								•										•	•	•	•	•																				
	13	A-1122-560-A	RS01-CABLE-POWER-4P								•								•										•	•	•	•	•																				
	14	A-1122-561-A	RS01-CABLE-RJ45								•								•										•	•	•	•	•																				
₹]		2-630-626-01	LABEL, MODEL NUMBER (for US)								•							-	₹										•	•	•	•																					
)]	15	2-630-626-11	LABEL, MODEL NUMBER (for US and LATIN)								•								•										•	•	•	•																				$\perp$	
		2-634-191-01	LABEL, MODEL NUMBER (E)																														•																				
		2-634-191-11	LABEL, MODEL NUMBER (E-IT)																														•																				
	16	2-637-685-01	DOUBLE ADHESIVE 30*15*0.12								•								•										•	•	•	•	•																				
L	17	2-637-686-01	EMI CORE 400*180*65								•								•		┸								•	•	•	<u>.                                    </u>	•					$\perp$											$\perp$	$\perp$	$\perp$	$\perp$	
L	B20	A-1127-782-A	RS01 SCREW ASSY (S)								•								•										•	•	•		•																	$\perp$	$\perp$	$\perp$	
																											4	[MA]			2	<u> </u>																					

⚠[COR] ⚠[ADD]

## **T-1. SUBSTITUTION PARTS LIST**

T-1

NOTE

Please order below substitution parts if the parts with the same Ref. No. in page 4-2 to 4-17 are not available.

			Ė	. C	TO	1410	ue												AM										ı —					E						$\neg$					AO		—	—	_
						Ť	+	*	1	1	Т					Τ,	Т			Τ,	Ι,	T,			T.	k +	<	*	٨		Τ,	T		Т	1	Π	Ī		П	$\vdash$		Ī		Т	T	Т	Т		Τ
Ref.N	No. Part No.	Description	FS71B	FS51B	FS31B	1321D FS21	FS91PS	FS91PS	FS91S*	FS680	FS660P	FS640	FS675P	FS635B	FS625B	FS645P	FS650F	FS630F	FS615F	FS640Q	FS640FP	FS610FP	FS620P	FS620	FS630	FS690P	* 06951	FS690BH	FS295XF	FS215Z	FS215M	FS295VP	F5215B	F3213E	FS215MR	FS285M	FS285B	FS285E	FS215S	FS285H	FS28C	FS25C	FS28GP	FS28SP	FS28LP	FS281P	F525GF	FS25SP	
] _	1-797-464-21	TOUCHPAD	•	•	• •	•	•		•	•	•	•	,	•	•	•	•	•	•	•			•	•	•	• (	• •	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	• (	•	•	•	
] 5	1-797-464-11	TOUCHPAD (GRAY)					•	•	•				•			•					• •	•							•			•							П	П				$\top$			T	_	-
	6-705-096-01	RAM Infineon 512 MB							T	T	T	Ī				T	T			T					T	T	T		•	П		•			T	•	T		П	П			T	T	T	T	Т		
	6-707-648-01	RAM Hynix 512 MB	П				•	•	•	•	•	•	•	•		$\top$	T			•	•				T	• •	• •	•							Τ		Τ		П	П			•	•	T	1.	•	•	
25	6-707-611-01	RAM Hynix 256 MB	•	•	•		•	•	•			•	•		•	• •	•	•	•	•	•	•	•	•	•	• •	• •	•		•	•	٦,	•	•	•		•	•	•	•				T			Т		
	6-707-657-01	RAM Sumsung 256 MB					•	•	•	T	T	•			•	• •	•	•	•	•	•	•	•	•	•	• •	• •	•	П	•	•	٦,	•	•	•	Τ	•	•	•	•			T	T	T	T	Т		
	6-707-029-01	RAM Infineon 256 MB	•	•	•	•											T									$\top$									Τ		Τ		П	П				T	T	T	$\top$		
	1-478-976-11	MURATA MPV4K004 (single)			<b></b>							•	•	•	•		•	•	•	• (	• •	•	•	•	•				•			•	•	•			•	•	П	П				T		١.	•Т	•	
] 66	1-479-136-11	MURATA MPV5K002 (dual)		•	•					•			•			• •	·   _		T	T									П	•	•	١,	•	١,	•	•			•	•			•	•			T		
	1-479-137-13	NEC-TOKIN LCD INVERTER (dual)							T	T	•	•					T									T											T		П	П				T	T		T	_	
	A-1127-944-A	MS01 ASSY ODD HITACHI DW (W)	•	•	•	•																																	П	П				T			Т		
	A-1127-946-A	MS01 ASSY ODD PANA (W-SM+DL)(W)			٦,	•			T	T						T	T							T	T	$\top$			П						T		T		П	П			T	T	T	T	T	_	
	A-1127-948-A	MS01 ASSY ODD PANA (DVD+DL)(W)							T	•						•	•	•								T				•	•	١,	•	•	•	•	•	•	•	•			•	•	T	٠	•Т	•	,
	A-1127-949-A	MS01 ASSY ODD PANA (DVD+DL)(B)								T										٠,	•								•			•							П	П				T			Т		
] 81	A-1127-951-A	MS01 ASSY ODD SONY (DVD+DL)(W)							一	T	•	• •	,			$\top$	T			•				T	T	$\top$			П			٦,	•	•	T		T		П	П			T	T	T	T	T	_	
	A-1127-952-A	MS01 ASSY ODD SONY (DVD+DL)(B)							T	T			•			•	T									T											1		$\sqcap$	П				T	T		T	_	
	A-1127-953-A	MS01 ASSY ODD Pioneer (DVD+DL)(W)								•	•	• •	,			•	•	•		•																		•	•	•			•	•		١.	•	•	
	A-1127-954-A	MS01 ASSY ODD Pioneer (DVD+DL)(B)							一	T			•			•	T			١,	•			T	T	$\top$			П						T		T		П	П			T	T	T	T	T	_	
	A-1127-960-A	MS02 ASSY HDD 100GB (FJ)		•			•	•	•	$\neg$			•			$\top$	$\top$							$\neg$	$\top$	• •	• •	•	•	•				١,					•	П				$\top$	$\top$	$\top$	$\top$		
	A-1127-961-A	MS02 ASSY HDD 100GB (TO)	•							•																													П	П				T			T	_	
	A-1108-903-A	MS01 ASSY HDD 80GB (HI)			•	T	•	•	•	寸	•	•			1	$\top$	T	П		T	T			$\dashv$	十	• •	• •	•	П	П		•		T	$\top$	•	•	•	$\sqcap$	•		1	•	•	十	T	$\top$	_	
	A-1127-962-A	MS02 ASSY HDD 80G (FJ)			•		•	•	•	$\neg$	•	• •	,			• •	,			• (	•		•	•	•	• •	• •	•	П		•				•				$\Box$	П			•	•	T	$\top$	$\top$	_	
	A-1108-905-A	MS01 ASSY HDD 80G (TO)										•	,			• •				• (	•		•	•	•						•	•			•	•	•	•	П	•				T			T	_	
91	A-1108-906-A	MS01 ASSY HDD 60GB (HI)			٦,		•	•	•	寸				•		$\top$	•				•			$\neg$	T	• •	• •	•	П						$\top$		T		П	П			T	T	T	١.	•	•	
	A-1127-963-A	MS02 ASSY HDD 60G (FJ)				•	•	•	•							$\top$	T								$\top$	• •	• •	•	П			١,	• •	•	$\top$				$\sqcap$	П				$\top$	T	$\top$	$\top$	_	
	A-1108-908-A	MS01 ASSY HDD 60G (TO)			١,	•								•			•				•											١,	• •	•					П	П				T		1.	•	•	
	A-1108-909-A	MS01 ASSY HDD 40G (TO)					•	•	•	寸					•	$\top$	T	•	•			•		T	T	• •	• •	•	П						$\top$		T		П	П			T	T	T	T	T	_	
	A-1127-964-A	MS02 ASSY HDD 40GB (FJ)	П				•	•	•	$\dashv$					•			•	•			•			$\neg$	• •	• •	•	П						$\top$				$\sqcap$	ıΠ			$\neg$	$\top$	$\top$	$\top$	$\top$		
]	1-479-116-12	ADAPTER AC19V11	П						一	寸	T	T			T	T	T	П	T	T	T			$\dashv$	T	• •	• •	•	П	П	T				T		T		$\sqcap$	T		1	$\dashv$	T	T		$\top$		
]	1-479-116-31	ADAPTER AC19V11	П			T		П	$\dashv$	$\dashv$	$\top$	T			$\top$	$\top$	Τ	П	$\dashv$	T	Т		П	$\dashv$	$\top$	•	• •	•	П	П	T			T	$\top$	Т	Τ		$\sqcap$	T	T	1	$\dashv$	$\top$	$\top$	Τ	$\top$	_	•
1 ^	006 1-479-114-23	ADAPTER AC19V10	•	•	• (		T		ヿ	寸	•	• •	•	•	•	•	T	П	$\dashv$	•	T		•	•	•	十		1	•	Ħ	•	• •	• •	•	$\top$	•	•	•	•	•		7	$\dashv$	十	T	$\top$	$\top$	_	
]	1-479-114-31	ADAPTER AC19V10	•	•	• •				寸	寸	•	• •	•	•	•	•	T	П	T	•			•	•	•	$\top$			•	Ħ	•	• •	•	•	T	•	•	•	•	•	T		T	$\top$	$\top$		$\top$		
]	1-479-114-41	ADAPTER AC19V10	•	•	• •		$\top$	T	$\dashv$	$\dashv$	•			•	•	•	$\top$	$\top$	一	•	$\top$	T	•	•	•	$\top$	$\top$	T	•		•	•		•	$\top$	١.	١.	•	•	•			$\dashv$	$\top$	$\top$	$\top$	$\top$	_	•

### **DIP Switch**

The DIP switch setting is following table.



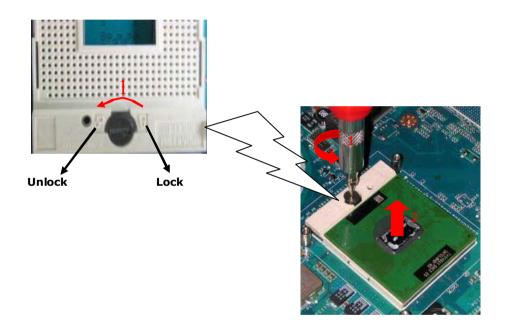
The DIP switch setting is different depending the types of LCD. Set the DIP switch of CTO model in accordance with the [FOR CTO MODEL].

# CHAPTER 5. OTHERS

## 5-1. Replacing the CPU

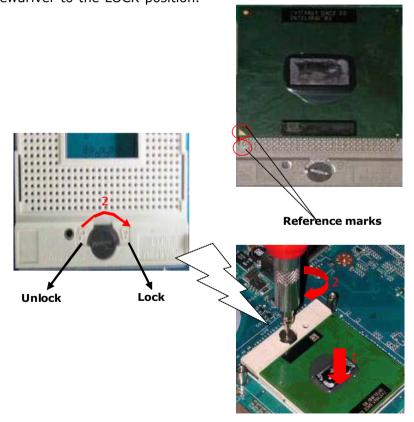
#### 1. Removing the CPU

- Insert a flat-blade screwdriver into the notch as shown illustration and rotate it so that the protrusion comes to the lock release position.
- 2. Pull the CPU gently upward to lift it out of the CPU socket



#### 2. Installing the CPU

- 1. Align the triangle reference mark of the mark the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
- 2. Insert the flat head (-) screwdriver into the specified position and rotate th screwdriver to the LOCK position.



**5-2. Wiring the W-LAN Cable**\* The MS02 PWA ANTENNA is installed also in the models without Wireless LAN. Refer to the instruction below to see how to wire the CABLE.



Using KAPTION TAPE to secure the Cable.



VGN-FS71B/FS31B/FS21B/FS21/FS91PSY/FS91S (J)
VGN-FS680/FS660P/FS660/FS660/FS6640/FS675P/FS635B/FS625B/FS645P/FS670FG/FS650F/FS630F/FS615F/FS640Q/FS655FP/FS640FP/FS610FP/FS620P/FS620/FS630/FS690P/FS690BH (AM)
VGN-FS295XP/FS215Z/FS215M/FS295VP/FS215B/FS215E/FS215SR/FS215M/FS285M/FS285B/FS285E/FS215S/FS285H (EU)
VGN-FS28C/FS25C/FS28GP/FS28SP/FS28TP/ FS25GP/ FS25SP/ FS25DP/ FS25TP (AO)

#### List of VGN-F Series (As of Nov, 2005)

Service Manual			Model	Name					
Part No.		J		AM	[		EU		AO
	VGN-FS70B	VGN-FS20	VGN-FS570	VGN-FS520B		VGN-FS195XP	VGN-FS195VP	VGN-FS18CP	VGN-FS18TP
	VGN-FS50B	VGN-FS90PS *	VGN-FS550	VGN-FS500 *		VGN-FS115Z	VGN-FS115B	VGN-FS15C	VGN-FS15GP
	VGN-FS30B	VGN-FS90S *	VGN-FS550P	VGN-FS500P *		VGN-FS115S	VGN-FS115ZR	VGN-FS18GP	VGN-FS15SP
9-876-414-XX			VGN-FS540P	VGN-FS500B *		VGN-FS115M	VGN-FS115MR	VGN-FS18SP	VGN-FS15LP
			VGN-FS530B	VGN-FS550F		VGN-FS115E		VGN-FS18LP	VGN-FS15TP
	VGN-FS71B	VGN-FS21	VGN-FS680	VGN-FS670FG	VGN-FS620P	VGN-FS295XP	VGN-FS215MR	VGN-FS28C	VGN-FS28TP
	VGN-FS51B	VGN-FS91PS *	VGN-FS660P	VGN-FS650F	VGN-FS620	VGN-FS215Z	VGN-FS285M	VGN-FS25C	VGN-FS25GP
	VGN-FS31B	VGN-FS91PSY *	VGN-FS660	VGN-FS630F	VGN-FS630	VGN-FS215M	VGN-FS285B	VGN-FS28GP	VGN-FS25SP
	VGN-FS21B	VGN-FS91S *	VGN-FS640	VGN-FS615F	VGN-FS690P *	VGN-FS295VP	VGN-FS285E	VGN-FS28SP	VGN-FS25LP
9-876-425-XX			VGN-FS675P	VGN-FS640Q	VGN-FS690B *	VGN-FS215B	VGN-FS215S	VGN-FS28LP	VGN-FS25TP
			VGN-FS635B	VGN-FS655FP	VGN-FS690 *	VGN-FS215E	VGN-FS285H		
			VGN-FS625B	VGN-FS640FP	VGN-FS690BH *	VGN-FS215SR			
			VGN-FS645P	VGN-FS610FP					

\*: CTO Model

: Additional Model

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## **Revision History**

Suffix	Ver.	Date	Contents	QM No.
-01	Ver.1	2005.06.07	First Edition	
-02	Ver. 2	2005.08.24	Page4-4, Page4-5, Page4-6, Page4-8, Page4-9, Page4-10, Page4-11, Page4-12, Page4-13, Page4-14, Page4-16, Page4-19, Page4-20, Page4-21	N2005_037CK
-03	Ver.3	2005.10.11	Front Page (Model Line Up), Page1-1, Page1-4, Page4-4, Page4-6, Page4-8, Page4-11, Page4-12, Page4-13, Page4-14, Page4-16, Page4-17, Page4-19, Page4-20, Page4-21, Back Cover	N2005_045AK
-04	Ver.4	2005.11.01	⚠ Front Page, Page4-20	N2005_061CK
<remarks< td=""><td>5&gt;</td><td>I</td><td>l</td><td><u> </u></td></remarks<>	5>	I	l	<u> </u>